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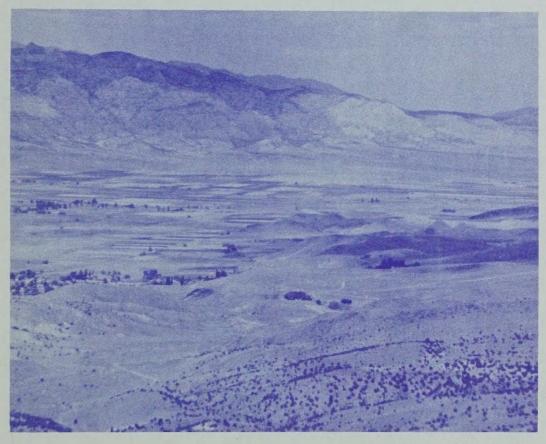
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#### APPENDIX IV

# WATER BUDGET ANALYSIS SEVIER RIVER BASIN, UTAH



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United States Department of Agriculture

Economic Research Service · Forest Service · Soil Conservation Service

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APPENDIX IV

WATER BUDGET ANALYSIS

SEVIER RIVER BASIN, UTAH

United States Department of Agriculture

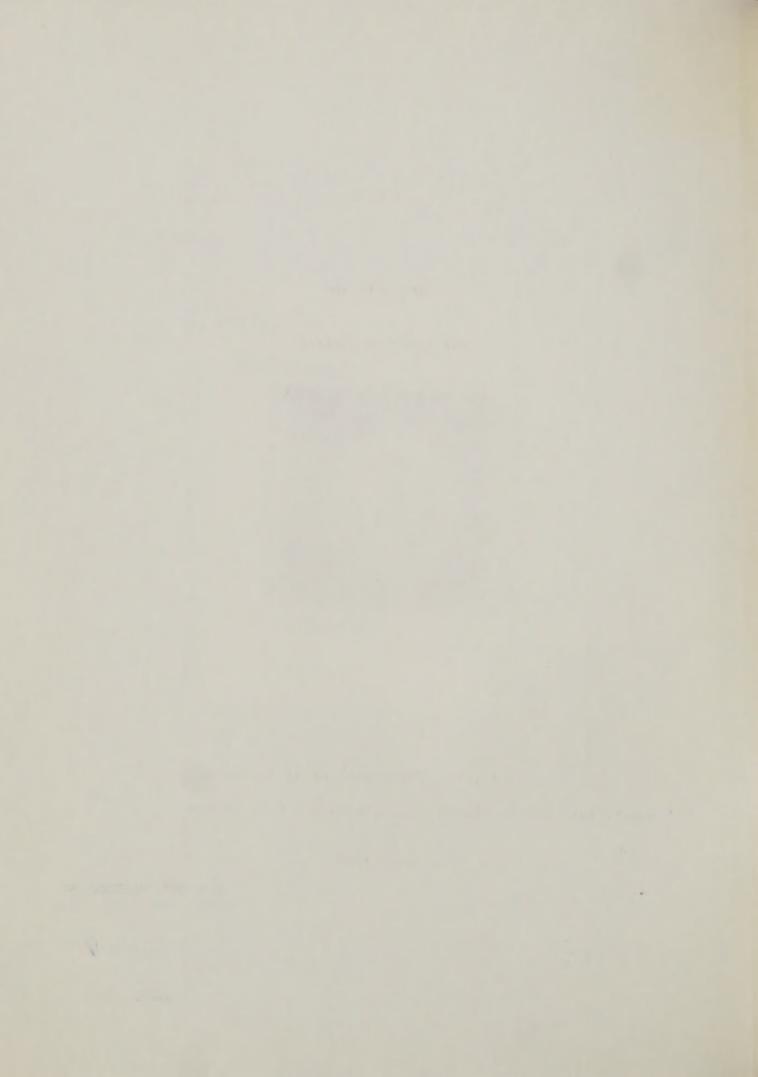
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#### Chapter I

#### PROCEDURES FOR PROCESSING BASIC DATA

The procedures outlined in this chapter describe the methods used to process water budget basic data in general terms. For a more detailed description of the climatic factors, refer to Appendix I, Climate. Information on water supply is available in Appendix II, Water Supply, and land use data is found in Appendix VI, Cropping Patterns and Vegetation.

#### PRECIPITATION

The amount of precipitation received in the water budget area was determined from the U. S. Weather Bureau's 1921-50 Normal Annual, Normal October-April, and Normal May-September precipitation maps. Quantities calculated from these maps were then reduced four percent to represent the 1931-60 base period. The 1931-60 base period was selected for the entire study as it more nearly coincided with the runoff and diversion data records available. Comparison of 1921-50 and 1931-60 normal precipitation data for stations in the Sevier River Basin indicates that the 1931-60 period received four percent less precipitation on the average than did the 1921-50 period. The normal precipitation for the water-budget area was measured from these maps and then prorated according to nearby weather station records into monthly values. In cases involving precipitation station network-runoff relationships, different accepted hydrologic practices were used depending on the specific situation encountered.

#### TEMPERATURE

Temperature data for the base period 1931-60 was taken from the U. S. Weather Bureau Decennial Census of United States Climate, 1962. If there was more than one station in the water-budget area, a weighted mean was calculated. In some areas of consideration, there were no acceptable temperature records available. In these cases, a temperature record was projected into the watershed using records in other watersheds and by lapse rate procedures.

#### **EVAPORATION**

Monthly water surface evaporation for shallow lakes and reservoirs was taken from data given in "Storage Requirements for Beneficial Use"

published by the Soil Conservation Service, 1961, and from the study discussed in Appendix I, Climate. In cases where Climatological Stations operate Class A evaporation pans, this record was used to check or adjust the water surface evaporation data given in the above references.

The monthly evaporation from bare ground areas was considered as fifteen percent of the monthly water surface evaporation in that watershed. However, bare ground evaporation cannot exceed the total monthly precipitation so the lesser of the two values was used.

#### SURFACE WATER

The flow of all gaged rivers and streams was processed, extended and/or analyzed using accepted hydrologic procedures. Available records kept by the U. S. Geological Survey, Sevier River Commissioners, irrigation companies, and electrical power generating plants were utilized to the greatest possible extent. In some cases, periodic measurements were made on major ungaged streams to determine the magnitude of their effect on a water budget area.

Operation and management data on most of the major reservoirs in the Sevier River Basin were compiled and analyzed and in most cases extended to cover the 1931-60 base period. This information was gathered from U. S. Geological Survey Water Supply Papers, Sevier River Commissioner's Reports, records of irrigation companies, and other existing data made available for this study. Much of the data needed for reservoir analysis was not available. This included some inflow, evaporation and seepage data. These values were determined through on-site investigation and use of considerable judgment with regard to physical conditions surrounding each site. In most cases, some missing data was determined through the analysis process of determining a balanced reservoir summary water budget.

Diversion records maintained by the Sevier River Commissioners and irrigation company watermasters were compiled and processed to determine surface water diversions. These records were adjusted to reflect the 30-year average for use in the water budget analysis. For many of the smaller canals and systems. However, no records are available. Estimates were made in these areas using periodic current meter measurements and existing records and the patterns of nearby stream flows to determine the ungaged diversions.

#### GROUNDWATER

Groundwater presents one of the more complex problems of analyses because of meager information and lack of knowledge of groundwater behavior. An inventory of irrigation wells was made which included such information as depth, driller's log of formations and material encountered, diameter, and test pump data. Information was also gathered

concerning the acreage served by the well along with records of quantity and quality of water pumped. In some cases, power consumption of pumped wells was analyzed to determine volumes of water diverted. Diverted return flows, plant use of groundwater, and groundwater outflow from the budget area were analyzed to determine groundwater behavior. Knowledge of the geology of a water budget area was an important consideration. Specific information on groundwater profiles, soil permeability and other transmissability and storage factors was not available in enough detail to answer all questions about groundwater movement. The U. S. Geological Survey has conducted groundwater studies which provide some of this data on an extensive basis. These data, along with general knowledge of the area, did permit reasonable estimates to be made concerning these phenomena.

#### LAND USE

The irrigated rotation cropland was mapped on aerial photographs and field checked for accuracy. Delineated areas on these photographs were then measured to determine acreages. Areas of miscellaneous use such as roads, railroads, farmsteads, communities, and other partially irrigated areas within the irrigated rotation cropland area were determined. One-half of these areas were included as irrigated rotation cropland and the other one-half as bare ground. The composition of crops within the irrigated rotation cropland area was determined by interviewing farmers and others who were acquanited with the cropping patterns and by analyzing a randomly selected group of farm plans provided by the Soil Conservation Districts.

The acreages of non-rotation cropland, wet meadows and other phreatophytes were determined from a special survey made of these areas. These data were tabulated by dominant species and plant density with further breakdown by average depth to water table during the growing season and soil types. These acreages were adjusted for miscellaneous uses in the same manner as for irrigated rotation cropland.

The area of dry cropland in each county was taken from the Utah Conservation Needs Inventory and segregated into watershed areas by data supplied by the Soil Conservation Service Work Unit offices in the area concerned. These areas were spot checked in the field and measured on aerial photographs. Only those areas within water budget areas were delineated.

Bare ground acreages consist of one-half the area of cities and towns, road and railroad right-of-ways, farmsteads, and isolated areas of bare ground. Acreages of the bare ground were delineated and on aerial photographs.

Acreages of water surfaces in excess of 40 acres were determined from aerial photographs or reservoir area-capacity tables. Areas for water surfaces less than 40 acres in extent were obtained from the Conservation Needs Inventory.

#### MISCELLANEOUS LAND USE AREAS

The areas of cities and towns were measured from aerial photographs. Areas of farmsteads were measured from aerial photographs and taken from county records of the Conservation Needs Inventory. The linear distance of road and railroad rights-of-way was measured from aerial photographs and the areas computed using a weighted width of right-of-way depending on the density of the various types of roads in the watershed.

#### POPULATION

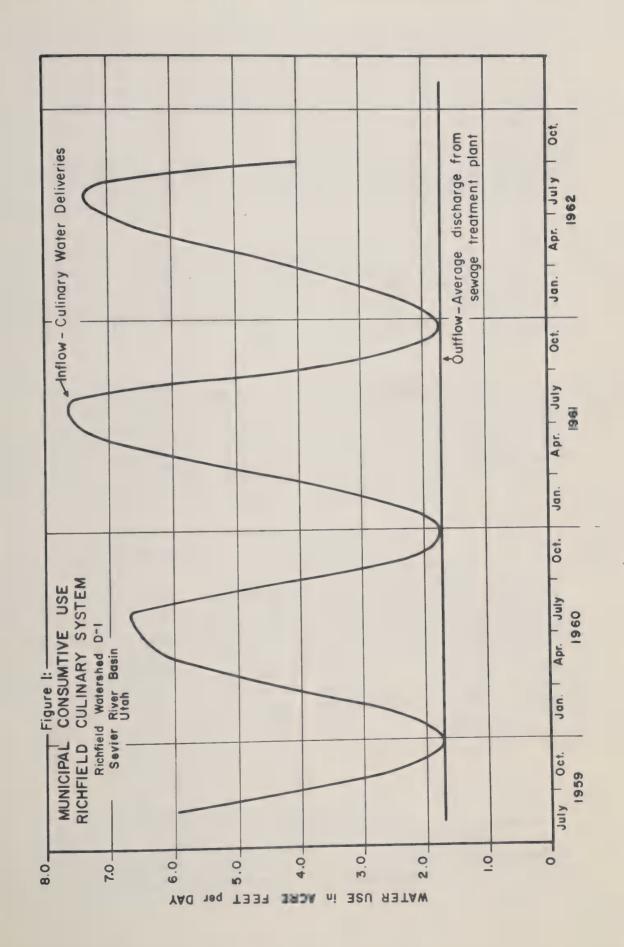
Population numbers to determine domestic water use were taken from the 1960 census. Since the populace of the Sevier River Basin is essentially composed of farmers living in small towns and farming the surrounding land, there are very few people in a county unaccounted for in town census figures. The segment of the population not in towns was prorated into the various watershed areas within each county on the basis of personal knowledge and observation of the Field Party members.

#### CULINARY CONSUMPTIVE USE

A study was made of the Richfield culinary system to determine the consumptive use of culinary water in the Sevier River Basin. Figure 1 shows the culinary system and the sewage treatment plan hydrographs for Richfield, a city of 4,500 population. Analysis of the difference between the inflow and outflow hydrographs was made to determine the consumptive-use rate per individual. These rates are shown in Table 1 and were generally used throughout the Sevier River Basin for this investigation. 1

TABLE 1. -- Culinary consumptive use

Period	Average Consumptive Use Per Individual
	(acre-feet)
April 1 to July 1	0.09
July 1 to October 1	0.10
October 1 to April 1	0.04
Annual	0.23



#### Chapter II

# PROCEDURES FOR CALCULATING

There are many factors that effect the potential consumptive use of water by vegetation. Temperature, humidity, wind movement, daylight hours, and solar radiation as well as plant vigor, stage of growth and species, all have their effect on evapotranspiration.

Several methods have been developed to determine the potential consumptive use, and all have merit. For determination of consumptive use in this study, a modified version of the Blaney-Criddle method was used because of its adaptability to the most readily available data, its simplicity of use and also because it involves factors which can be changed with improvement programs.

The Blaney-Criddle method, simply stated, says that for any selected time period, consumptive use (U) is the product of the period consumptive use factor (F) and the period consumptive use coefficient (K). The modification employed in this investigation considers that the monthly consumptive use coefficient (k) is the product of a monthly temperature coefficient (k<sub>t</sub>) and a monthly crop coefficient (k<sub>c</sub>). This modification gives a reasonable estimate of monthly consumptive use based on temperature where actual experimental values are not available.

This method is outlined in Technical Release 21<sup>2</sup> and was used to determine the potential consumptive use for irrigated crops. Crop coefficient curves were developed for types of vegetation not described in TR-21. These include salt and meadow grass, sagebrush, greasewood, willows, cottonwoods, cattails, and tules. In addition, values were determined for evaporation from bare ground and the contribution of groundwater used to satisfy consumptive use needs of plants growing in high water table areas. Separate studies were made to determine domestic use and water surface evaporation applicable to small, shallow ponds, canals and rivers. All values determined for calculating potential consumptive use and for developing water budgets are based on 1931-60 base period averages.

#### CONSUMPTIVE USE FACTORS

The consumptive use factor (f) is the product of the mean temperature and percent of daylight hours divided by 100. To determine a monthly or other short period consumptive use factor (f) requires the use of mean temperature and percent of daylight hours data for the specific period of time. Mean temperature is taken as the average of the daily

maximum and minimum temperatures during the period. Percent daylight hours is the percent of the annual daylight hours occurring during the time period and is therefore a function of the latitude of the area.

The actual procedures used to determine these values are as follows: The mean monthly temperatures were plotted on the 15th of each month and the plotted points connected with a smooth curve. Mean temperatures for any period of time were determined from this curve. Daylight hour data was obtained from the Smithsonian Meteorological Tables, 1951. Each months' percent of daylight hours was used as an average and each day of the month was considered as having the same percent of daylight hours.

#### CONSUMPTIVE USE COEFFICIENTS

The consumptive use coefficient (k) is a product of a temperature coefficient ( $k_t$ ) and a crop coefficient ( $k_c$ ). The temperature coefficient (after Phelan) is:  $k_t = 0.0173t - 0.314$  where  $k_t$  is the mean monthly temperature.

The crop coefficient,  $k_c$ , is:  $k_c = k/k_t$ . These values have been determined empirically from available data for the crops under consideration. The crop coefficients for salt grass and greasewood vary with the depth to the water table. Curves were prepared showing this relationship for determining the  $k_c$  values for these two plants (Figures 2 and 3). Figure 4 shows the curves for tules and cattails and for willows and cottonwoods. Values for salt cedar (tamarisk) were taken as 90 percent of those for tules and cattails.

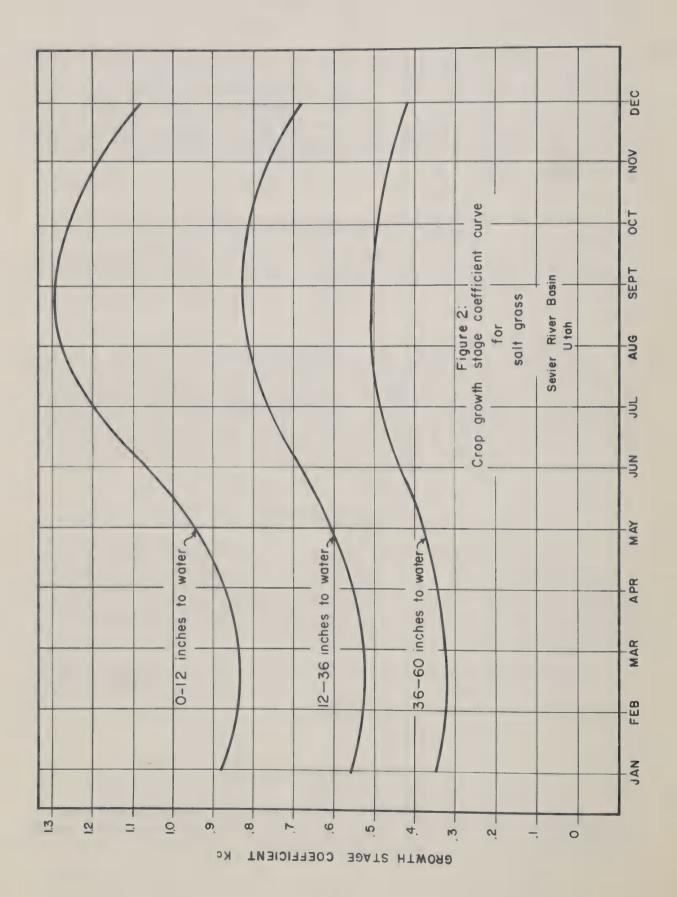
#### POTENTIAL CONSUMPTIVE USE

Potential consumptive use for annual plants was computed by the method outlined above for the growing season. During the non-growing season, these acreages were considered as bare ground and the consumptive use was calculated accordingly. The potential consumptive use of perennial plants was calculated on an annual basis by the method described in the preceding section.

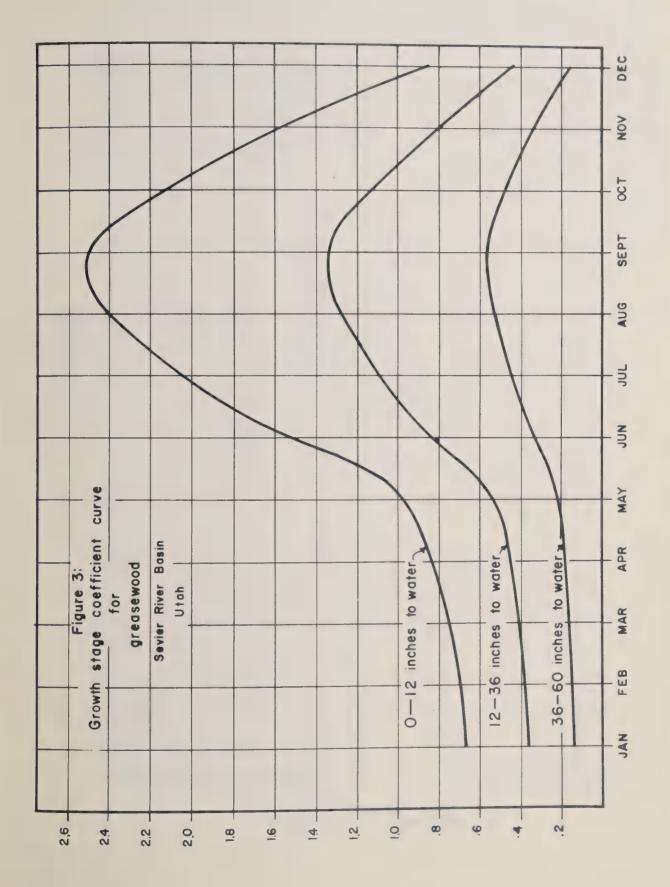
Evaporation from bare ground was computed at the rate of 15 percent of water surface evaporation, not to exceed the monthly precipitation. Where bare ground was influenced by a water table, the use was modified as shown in Figure 5.

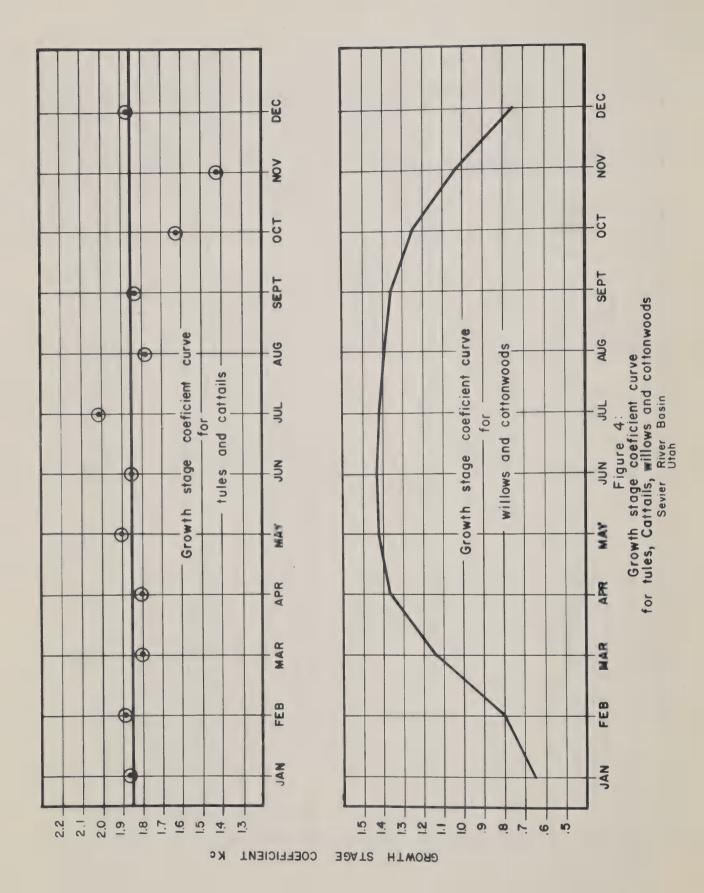
#### PLANT USE FROM GROUNDWATER

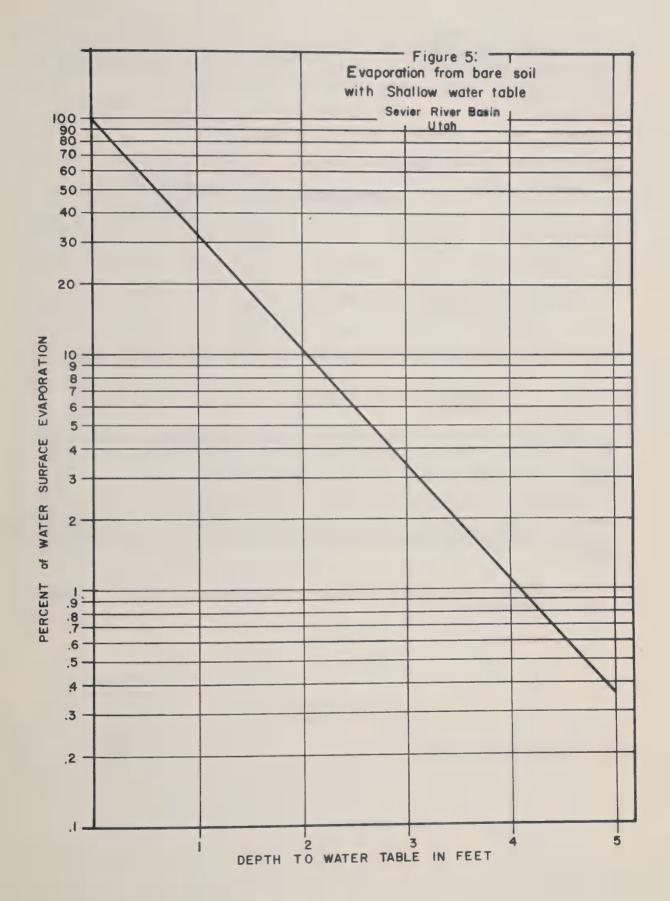
The amount of groundwater consumed by surface-irrigated crops grown in the presence of a water table was computed in accordance with procedures developed during this investigation from data of one research



- 6a -







study.<sup>4</sup> The percentage of the consumptive need of the crop that is supplied from groundwater was computed on the basis of depth to the water table and is shown in Table 2. These values are applicable to alfalfa, grass, small grain, corn, and sugar beets.

TABLE 2. -- Crop Consumptive Use From Groundwater

Depth to Water Table	Mapping Symbol	Use from Groundwater (percent)
0' to 1'	W3	100
1' to 3'	W <sub>2</sub>	70
3' to 5'	$w_1$	40

#### GROWING SEASON

The growing season of vegetation varies according to climate and type of plant. For this study, the growing season for each type of plant or crop was determined for each watershed.

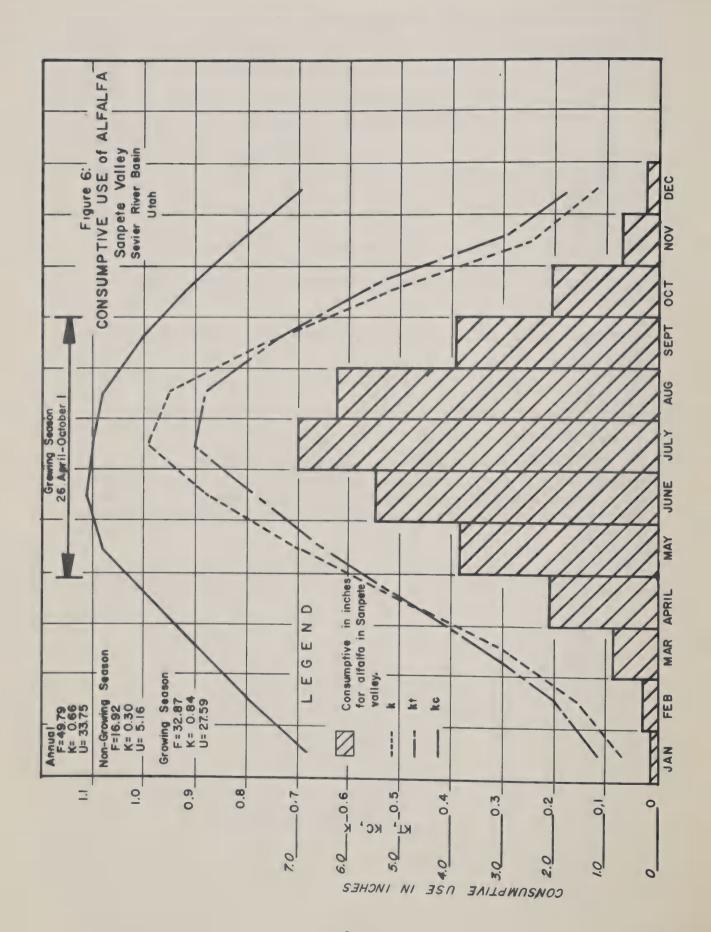
In general, perennial vegetation will consumptively use water year-round, but the principal use during the winter months is through eavporation. The annual crops use water during the growing season until harvested.

In general, the growing season criteria shown in Table 3 was used to compute consumptive use.

TABLE 3.--Growing season dates, Sevier River Basin, Utah

Crop .	Growing	Season
· ·	Spring	Fall
Alfalfa	50° F. mean temperature	28° F. frost
Seeded grass	45° F. mean temperature	45° F. mean temperature
Spring grain	45° F. mean temperature	120 days later
Field corn	55° F. mean temperature	120 days later or 32° F. frost
Potatoes	55° F. mean temperature	105 days later
Sugar beets	32° F. frost	180 days later or 32° F. frost

The growing season beginning and ending dates for each crop were determined from the mean monthly temperature curves developed for each water budget area. Figure 6 shows the growing season and the monthly variations of  $k_{\text{t}}$ ,  $k_{\text{c}}$ , k and consumptive use for alfalfa in Sanpete Valley.



#### Chapter III

# PROCEDURES FOR DEVELOPING WATER BUDGETS

Budgets were prepared for the water-budget area within each water-shed (Map 8). In two cases, Watershed B-2 and E-5, two separate budgets (B-2A, B-2B and E-5A, E-5B) were prepared to better evaluate the use of the water because of existing physical limitations. Combined water budgets were compiled in Watersheds D-2 and D-3, D-6 and D-7, F-2 and F-3, to balance between such control points as reservoirs, river gages, or other points where physical or other existing conditions allowed checks of the water budget computations.

Also, separate water budgets were prepared for Gunnison, Nine Mile and Otter Creek Reservoirs. Budgets for Chicken Creek, Scipio, Fool Creek, Piute, Koosharem and Tropic Reservoirs were included in the analysis of the watersheds where they are located. The summary for Sub-basin C contains the Sevier Bridge Reservoir budget.

In Sub-basins A, C, and D, separate budgets were prepared for each watershed showing the supply and use of water within the irrigated cropland areas only. As the return flows from these irrigated areas accrued to a common groundwater reservoir underlying the wetland areas, a summary water budget was necessary to evaluate the supply and uses within this area. This also included a summary of the irrigated area budgets. In all cases, the budgets were balanced where geologic and topographic conditions and river and canal gaging stations provided controls for balancing the budgets within a given area. Individual budgets within these areas were then balanced to agree with the overall balance.

#### WATER BUDGET INPUT DATA

A water budget simply stated is, "all of the water supply, plus or minus changes in storage, less all consumptive uses, equals all outflow". Practical application of this equation requires detailed investigation of each of the four parts-supply, storage, use, and outflow along with an understanding of the institutional distribution of water within the area.

#### WATER SUPPLY

Water supply was separated into surface and subsurface river flow, surface and subsurface tributary inflow into the budget area, and precipitation on the budget area. The supply was routed through available

storage capacity (surface reservoirs, groundwater reservoirs and soil moisture storage) as it proceeds either to the place of consumption or directly to outflow. Water delivered from wells in the budget area is not a new source of inflow, but rather the utilization of groundwater already in the area. This water was previously considered as a supply to the area through river or tributary inflow or precipitation.

#### River Inflow

River inflow includes surface and groundwater received into a water-budget area from outside a given watershed through the river channel. River inflow was analyzed according to accepted hydrologic procedures and itemized by monthly and annual values. The amount of river inflow diverted into irrigation systems was analyzed from available records and tabulated by months with annual totals.

#### Tributary Inflow

Tributary inflow, as used herein, is defined as the water flowing into a water-budget area from the surrounding water yielding area. This water enters the water-budget area of a watershed as surface flow and/or groundwater flow.

The average annual tributary inflow was determined from a water yield map prepared by the U.S. Forest Service. Measurements and computations of the water yield in a given watershed were correlated with available nearby stream flow records on streams of like characteristics.

A trial budget was prepared and if a balance was not obtained, adjustments in the components were made to achieve a balanced budget. As the tributary inflow was considered the least accurate of the water budget data, these values were adjusted first. A tabulation of the measured values from the yield map and the final adjustment used to balance the water budgets is shown on the Water Budget Area and Yield Map (Map 8).

#### Precipitation

The areas in a water-budget area were broken into two parts for analysis of precipitation; the irrigated lands and the wetlands. The amount of precipitation was measured from U.S. Weather Bureau Normal Precipitation maps and the volume calculated and weighted according to the area of use by months. Investigation of the daily and single event precipitation patterns in the water-budget areas indicated that only a small percentage of the storms deposited over 0.5 of an inch of moisture. A large majority of the rain producing storms yielded less than 0.3 inches. As the water budgets are prepared on an annual basis, the precipitation was considered 100 percent effective, assuming that it

either supplied moisture to the root zone or had compensating effects by reduction of evapotranspiration by the plants. Any error introduced would be small and would not justify more detailed analysis.

#### STORAGE

The time lag caused by surface reservoir storage of direct runoff was utilized in the water budgets where reservoir release records were available or could be synthesized. Soil moisture storage was built into the water budget analysis to some extent. However, the delay between application of irrigation water and return flow to the river system was not included because of inadequate data. This is an inherent weakness in these water budget studies.

#### Soil Moisture Storage

Because of the shallow soil profile above the water table and resultant capillary effect in the wet grassland and non-cropped phreatophyte areas, soil moisture storage changes were not computed for these areas. Also, the potential consumptive use was considered satisfied at all times, eliminating the need for soil moisture storage routing.

The capacity of the soil moisture reservoir in the irrigated rotation cropland area is a function of soil type, depth of root zone and area. The soil association survey data gives information on soil types and depth and depth to the water table. Land use information provides crop acreages and related root zone information. From this data the capacity of available soil moisture root zone storage was estimated.

A basic assumption for a 30-year base period average annual water budget is that there will be no change in soil moisture storage on an annual basis. Two separate accounting methods were used depending on whether consumptive use is or is not limited by water supply. If no deficiency occurs, the accounting is started at a time, generally in the spring, when the soil profile is full. If a deficiency occurs, the accounting is started when the soil profile is empty of readily available moisture.

#### Groundwater Storage

Groundwater storage changes were determined by analyzing information pertaining to wells, irrigation losses, river and tributary inflow, direct use by plants, geology, surface topography, and outflow from the budget area. A groundwater contour map was constructed, the average monthly water-table fluctuation determined, and a coefficient of storage selected for the groundwater storage reservoir. The change in groundwater storage as computed from this data was checked against additions to and deletions from groundwater as determined in the water

budget calculations and this storage change algebraically added to the budget.

#### DISTRIBUTION AND USE

In general, the irrigation systems deliver water to the irrigated rotation cropland as a first priority with only excess supplies and return flows becoming available to the irrigated nonrotation cropland. Return flows and groundwater supply consumptive use requirements in the wetland areas. Thus, it is necessary to consider the irrigated and wetland areas separately to determine the available water supply.

Consumptive use was calculated for each type of cultivated crop or native vegetation for all conditions of climate, soil, depth to water table, available water supply and management. All other types of consumptive use, such as evaporation from water surfaces and bare ground and uses of water delivered by culinary systems, were evaluated to complete the budgets.

Outflow from the budget area consists of river, irrigation canal or drain surface flows and groundwater flows.

#### Irrigated Cropland Use

The total quantity of water diverted or pumped was itemized on a monthly basis. The portion available for plant root zone storage is determined by applying distribution system and on-farm irrigation efficiencies. These efficiencies were determined for each area by interviewing local irrigation company officials and technicians of the various governmental agencies and from seepage loss measurements where available. Separate efficiencies were used for each company where available and a weighted value determined for the water-budget area.

Monthly potential consumptive use, including evaporation from bare ground, was budgeted against the irrigation water available to the root zone, plus the month's precipitation, plus any use from groundwater. If the total supply met the potential needs, the excess was stored in the root zone until the soil moisture storage capacity was exceeded after which any excess was added to groundwater.

If the month's supply of moisture to the root zone did not meet the potential needs, the shortage was made up from soil moisture carried over from the previous month. However, if available soil moisture did not meet all the shortage, then potential consumptive use requirements were not met and the crops were deprived of a full supply. Actual monthly consumptive use is equal to potential consumptive use or the moisture available in the root zone, whichever is less.

#### Wetland Use

The wetlands are composed of wet meadows, some predominantly sedges and grasses and others predominantly salt grass, phreatophytes and bare ground and water surfaces within the wetland area, and as such were considered to have a water supply adequate to meet potential consumptive use. Some of the meadows are wetter than others and logically will consume more water. This fact was considered when assigning a crop coefficient  $(k_{\rm C})$  to the area.

The water supply in the wetlands is from direct precipitation, return flow from the irrigated cropland, seepage from the river and groundwater at or near the surface of the ground.

#### Miscellaneous Uses

Water surface evaporation and domestic uses were combined and entered in the budget at full value. These items were shown separately to avoid routing the supply for these uses through the soil moisture reservoir.

#### OUTFLOW

Outflow from a water-budget area includes surface water and ground-water. In some cases, these are transbasin outflows and are lost to the Sevier River Basin. These values are delineated separately where they occur.

#### Surface Water Outflow

Any water flowing out of a water-budget area in the river, canals or drains, was shown as surface outflow in the budget. If data was available, these were shown separately. The quantities of outflow were determined from river flow records and diversion records for the canals. If records were not available, quantities were estimated. Flows from drains were all estimated.

#### Groundwater Outflow

Groundwater outflow was determined by analyzing well logs, water table data and information concerning the physical features of the area. Permeability, pressure gradients and the cross-sectional area of groundwater aquifers were determined, and from this data, groundwater outflow was calculated. This item was correlated with studies by the U. S. Geological Survey wherever they were available.

#### WATER BUDGET COMPILATION

The following discussion on the mathematical computation of the water budgets should aid in understanding their use and value in analyzing water resource problems. It should be understood that these are 30-year average budgets.

The total supply to a water-budget area includes surface tributary river inflow, groundwater tributary river inflow, release from reservoirs, canal inflow and precipitation. The total supply to the root zone of the irrigated lands includes diversions from surface flows and wells at a calculated delivery efficiency, precipitation on the irrigated lands, and direct use from groundwater by the crops, if applicable.

After the total supply to root zone has been determined, the potential consumptive use values for the irrigated lands are subtracted algebraically on a monthly basis to determine the root zone supply less potential consumptive use. These values are positive when the supply exceeds the use and negative when the supply is deficient.

The soil moisture storage is calculated by accumulating any excess of supply over use on an algebraic basis. This process must necessarily start when the soil profile is empty if a deficit occurs, or when it is full if the annual supply is adequate. If a deficit occurs, the accounting starts in the fall, generally October or November. The accounting is then carried through the balance of the year and carried over into the beginning of the year back to the place of beginning. If there is no deficit, the accounting is started in the spring, generally April or May, when the soil moisture reservoir is full, and the accounting carried throughout the year as before. At any time during the accounting, the total capacity of the soil moisture reservoir cannot be exceeded. In this case, the monthly excess is shown as an addition to groundwater.

The consumptive use deficit is the quantity of moisture required to meet potential consumptive use that is not available as root zone supply or accumulated in soil moisture storage. It is determined by subtracting root zone supply from potential consumptive use less any accumulated soil moisture from the previous month. A check on this computation is made by comparing the annual value of root zone supply less potential consumptive use against consumptive use deficit. These values are the same numerically but opposite algebraically.

The actual consumptive use cannot exceed the potential consumptive use or the water available, whichever is less. During the non-growing season the potential consumptive use governs but as use increases and exceeds the monthly root zone supply, the soil moisture is depleted and there is generally a deficit.

If the monthly supply is adequate, the actual consumptive use is the same as the potential consumptive use. If the monthly supply is inadequate and soil moisture storage is depleted, the actual consumptive use equals the total root zone supply.

There is one month when the soil moisture storage supplies part of the potential consumptive use and is therefore a transition from control by potential use to control by available supply. During the transition, the actual consumptive use equals the total supply to root zone plus the available soil moisture storage from the previous month.

If the water available during a given month exceeds the use plus the storage capacity of the soil profile, the excess is an addition to groundwater. These values are determined by the excess of total supply to root zone over the potential consumptive use except in another transition month where the remaining capacity of the soil profile has to be filled before there is any excess.

All water not consumptively used in the irrigated cropland areas through domestic use or water surface evaporation eventually passes into the wetlands and becomes available for use there. Determination of the monthly quantity of water available to the wetlands is made by adding river inflow, tributary inflow, reservoir releases, canal inflow and precipitation on the irrigated cropland, and subtracting algebraically the actual consumptive use, domestic use and water surface evaporation and addition to groundwater. To this value the precipitation on wetlands is added.

After consumptive use of the wetlands is subtracted, the result is outflow and change in groundwater for the water-budget area.

In order to make the final balance of the water budgets, and after all other values had been adjusted to the best judged accuracy, the wetland land area consumptive use was adjusted in some watersheds. In manipulating the values of the various components of the water budgets, there is a narrow band of adjustment allowable while still maintaining reasonable values for the individual items. The adjustments made are shown in Table 4 and will vary from the values shown in the Potential Consumptive Use tables.

On an annual basis for the 30-year base period, the change in groundwater was considered static so that the annual value shows only outflow from the area. However, the monthly values reflect change in groundwater where this information could be determined. Generally the outflow is composed of two, and sometimes three, quantities; river outflow, canal outflow, and groundwater outflow. The monthly values for the three components of the outflow were determined where adequate information was available. Occasionally, values were determined through judgment, utilizing knowledge obtained during study of the area.

TABLE 4.--Wetland consumptive use adjustments, Sevier River Basin

Watershed	Adjustment percent
B=2B	+17
B-3	+25
B-5	Fool Creek Reservoir area only
C-3	+25
E-1	<b>+2</b> 3

<sup>&</sup>lt;sup>a</sup> Phreatophyte consumptive use limited by 75 percent of reservoir seepage of PCU, whichever is smaller.

						MONTHLY	MONTHLY USE RATE,	Inches					**	Annual	al Use
Crop	Acres:	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec :	Inches	Ac. Ft.
						Irrigated	ted Rotation								
Bare Ground	1.960	60.	.13	.23	77	83	7.7	70	58	9	95	26	13	95 5	908
Water Surfaces	360	.63	80	1.50	2.90	5.50	7.35	10.10	10.00	6.80	3.75	1.70	68	52.00	1,560
Alfalfa Hay	18,570	.14	.29	06.	2.10	3.78	5.51	7.07	6.25	3.84	2.04	.61	.22	32.75	50,681
Small Grain	5,700	60.	.13	.23	64.	2.63	7.79	00.9	68.	09.	.56	.26	.13	19.80	9,405
Corn	200	60.	.13	.23	77.	66.	3.61	8.43	6.05	1.39	.56	.26	.13	22.31	930
Total	27,090	.13	.25	.71	1.62	3.29	5.63	6.45	4.78	2.92	1.62	. 52	.20	28.12	63,484
					Irr	Irrigated Non	Non-Rotation	Cropland							
						Z	ONE								
				Non-	Non-Irrigated	Non-Rotati	ion & Non-C	Non-Cropped Phr	Phreatophytes						
Bare Ground	310	60.	.13	.23	77.	.83	.74	.70	. 85	09.	.56	.26	.13	5.56	144
Water Surfaces	290	.63	80 80	1.50	2.90	5.50	7.35	10.10	10.00	6.80	3.75	1.70	. 89	52.00	1,257
Salt Grass, W2	740	.11	.20	. 54	1.15	2.15	3.35	4.92	4.72	3.12	1.76	. 57	.21	22.80	1,406
Salt Grass, W3	13,330	.17	.31	.86	1.81	3.37	5.27	7.73	7.42	06.4	2.77	. 89	.33	35.83	39,801
Greasewood, W1	800	.03	90.	.18	.38	.75	1.66	2.81	3.00	2.07	86.	.23	.05	12.20	813
Greasewood, W2	250	.07	.14	747	.95	1.87	4.13	7.00	7.47	5.17	2.44	.58	.13	30.39	633
Greasewood, W3	150	.13	.27	.82	1.78	3.50	7.71	13.06	13.94	9.65	4.56	1.09	. 24	56.75	400
Cottonwoods & Willows	ws 120	.14	.29	1.15	2.85	4.93	7.03	9.14	8.16	5.17	2.74	.78	.24	42.62	426
Total	15,990	.16	.30	.80	1.70	3.16	4.97	7.31	7.06	4.68	2.62	78.	.31	33.91	45,189
GRAND TOTAL	43,080	.14	.27	.74	1.65	3.24	5.39	6.77	5.63	3.57	1.99	79.	.24	30.27	108,673
					M	ONTHLY DOM	MONTHLY DOMESTIC USE,	Acre Feet							

TABLE 6Pot	Potential	consi	consumptive	use,	Watershed A-2,	hed A-		Fountain	Green,	Sevier	River	Basin			
						MONTHLY	USE RATE,	Inches						Annual	Use
Crop	Acres:	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec:	: Inches	Ac. Ft.
						Irrigated	ted Rotation	ion							
Bare Ground	580	60	13	23	77	80	7.7	7.0	58	09	95	.26	.13	5.56	269
Water Surfaces	110	.63	88	1.50	2.90	5.50	7.35	10.10	10.00	08.9	3.75	1.70	68°	52.00	477
Alfalfa Hav	5 960	14	29	06	2 10	3 78	7. 5.	7 0 7	6 25	78 €	2 04	61	.22	32.75	16.266
Small Grain	1.820	60		23	67.7	2 63	7 79	6.00	000	60	56	26	13	19.80	3,003
Corn	160	60.	.13	.23	777	66.	3.61	8.43	6.05	1.39	.56	.26	.13	22.31	297
Total	8,630	.13	.25	.71	1.63	3.31	5.66	97.9	7.80	2.93	1.62	.52	.20	28,24	20,312
					Irr	Irrigated Non	Non-Rotat ion	Cropland							
						Z	N E								
				Non-Irr	igated	Non-Rotation	8	Non-Cropped Ph	Phreatophytes	S					
Bare Ground	240	60.	.13	.23	77.	. 83	.74	.70	.85	09.	.56	.26	.13	5.56	111
Water Surfaces	290	.63	. 88	1.50	2.90	5.50	7.35	10.10	10,00	6.80	3.75	1.70	.89	52.00	1,257
Salt Grass, Wl	150	.07	.12	.33	.71	1.32	2.06	3.02	2.90	1.91	1.08	.35	.13	14.00	175
Salt Grass, W2	310	.11	.20	.54	1.15	2.15	3.35	4.92	4.72	3.12	1.76	.57	.21	22.80	589
Salt Grass, W3	099'6	.17	.31	. 86	1.81	3.37	5.27	7.73	7.42	06.4	2.77	. 89	.33	35.83	28,843
Greasewood, W1	1,840	.03	09.	.18	.38	.75	1.66	2.81	3.00	2.07	86.	.23	.05	12.20	1,871
Greasewood, W3	07	.13	.27	.82	1.78	3.50	7.71	13.06	13.94	9.65	4.56	1.09	.24	56.75	189
Cottonwoods & Willows	o 70	.14	.29	1.15	2.85	4.93	7.03	9.14	8.16	5.17	2.74	.78	.24	42.62	142
Total	12,570	.16	.28	.75	1.57	2.94	4.63	6.83	19.9	4.38	2.45	.78	.29	31.67	33,177
GRAND TOTAL	21,200	.15	.27	.73	1.59	3.09	5.05	69.9	5.87	3.79	2.11	89.	.25	30.27	53,489
					M	MONTHLY DOM	DOMESTIC USE	, Acre Fee	t						
		-	5	10	16	23	26	29	28	18	6	m	1	168	

						Monthly	Use Rate,	Inches						Annual	L Use
Crop	Acres	Jan	Feb	March	Apr 11	May	June	July	Aug	Sept	Oct	Nov	Dec :	Inches	Ac. Ft.
						Irrigated	ted Rotation	on							
Rare Ground	620	60.	.13	.23	77.	.83	.74	.70	.85	09.	.56	.26	.13	5.56	287
Water Surfaces	140	.63	88	1.50	2.90	5.50	7.35	10.10	10.00	08.9	3.75	1.70	68.	00.	209
Alfalfa Hav	7.760	.14	.29	06.	2.10	3.78	5.51	7.07	6.25	3.84	2.04	.61	.22	32.75	21,178
Small Grain	2,380	60.	.13	.23	64.	2.63	7.79	00.9	68.	09.	.56	. 26	.13	19.80	3,927
Corn	210	60.	.13	.23	77.	66.	3.61	8.43	6.05	1.39	.56	.26	.13	22.31	390
Total	11,110	.13	.25	.72	1.64	3.34	5.72	6.55	78.4	2.96	1.63	.52	.20	28.50	26,389
					Irr	igated Non	Irrigated Non-Rotation Cropland	Cropland							
						Z	ONE								
				-uoN	Non-Irrigated Non-Rotation &	Non-Rotati	on & Non-C	ropped Phr	Non-Cropped Phreatophytes						
Bare Ground Water Surfaces	80	.09	.13	.23	2.90	.83	.74	.70	.85	.60	3.75	1.70	.13	5.56	37
Salt Grass, W2 Salt Grass, W3	3,320	.11	.20	.54	1.15	2.15	3.35	4.92	4.72	3.12	1.76	. 57	.21	22.80	6,308
Greasewood, Wl	570	.03	90.	.18	.38	.75	1.66	2.81	3.00	2.07	. 98	.23	.05	12.20	580
Total	4,240	.11	.20	.52	1.09	2.04	3.23	4.77	4.62	3.07	1.71	.55	.20	22.11	7,812
GRAND TOTAL	15,350	.13	.24	99°	1.49	2.98	5.03	90.9	4.78	2.99	1.65	.53	.20	26.74	34,201
				100	W	ONTHLY DOM	MONTHLY DOMESTIC USE,	Acre Feet		67	100				300

TYPER OF TOPETICIAL	-														
	••					MONTHLY	USE RATE,	Inches					- 1	: Annual	Use
Crop	Acres :	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	:Inches	Ac. Ft.
						Irrigated	sted Rotation	no							
Bare Ground	009	60°	.13	.23	77.	.83	1	.70	.85	09.	.56	.26	.13	5.56	278
Water Surfaces	240	.63	.88	1.50	2.90	5.50	7.35	10.10	10.00	6.80	3.75	1.70	. 89	52.00	1,040
Alfalfa Man	0/0 //	1/1	20	Co	2 10	2 78	5 51	7 07	6 25	78 8	2 04	. 61	. 22	32.75	13,482
Attaila may	0111	17.			01.4	000	100	10.7	000	100	75	36	13	10 80	2 492
Small Grain	1,510	60.	.1.5	573	.4.	7.03	1.19	00.00	60.	00.	06.	96	. 1.3	22 31	2,772
Corn	130	50.	61.		***	66.	3.01	0.43	0.00	1.37	0000	07.	7	10:77	
Total	7,420	.14	.26	.72	1.63	3.32	5.62	97.9	4.84	2.97	1.65	.54	.21	28.36	17,534
					Irrig	tated Non-	Irrigated Non-Rotation Cropland	Cropland							
							NONE								
				Non-Irri	gated	Non-Rotation	48	Non-Cropped Phr	Phreatophytes						
Bare Ground	260	60.	.13	.23	777	. 83	.74	.70	.85	09.	.56	.26	.13	5.56	120
Water Surfaces	180	.63	80	1.50	2.90	5.50	7.35	10.10	10.00	08.9	3.75	1.70	.89	52.00	780
Salt Grass. Wl	120	.07	.12	.33	.71	1.32	2.06	3.02	2.90	1.91	1.08	.35	.13	14.00	140
	3,490	.11	.20	.54	1.15	2.15	3.35	4.92	4.72	3.12	1.76	.57	.21	22.80	6,631
	6,330	.17	.31	.86	1.81	3.37	5.27	7.73	7.42	06.4	2.77	. 89	.33	35.83	18,900
Greasewood W1	3.070	.03	90.	.18	.38	.75	1.66	2.81	3.00	2.07	86.	.23	.05	12.20	3,121
	20	.07	.14	77	.95	1.87	4.13	7.00	7.47	5.17	2,44	.58	.13	30.39	51
		.14	.29	1.15	2.85	4.93	7.03	9.14	8.16	5.17	2.74	.78	.24	42.62	71
Total	13,490	.13	.23	.61	1.29	2.42	3,86	5.74	5,58	3.71	2.06	• 65	.24	26.52	29,814
GRAND TOTAL	20,910	.13	.24	.65	1.41	2.74	4.48	9.00	5.32	3.45	1.91	.61	.23	27.17	47,348
					MC	MONTHLY DOM	DOMESTIC USE,	, Acre Feet							
						0									

Crop  Bare Ground						MONTHLY	MONTHLY USE RATE,	Inches						: Annual Use	Use
Bare Ground	Acres:	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	: Inches	Ac. Ft.
Bare Ground						Irriga	Irrigated Rotation	on							1 1
	320	60°	.15	.37	.59	1.00	.74	.63	.78	.61	.56	.34	.11	5.97	159
Water Surfaces	09	09.	1.00	2.45	3.90	6.70	8.80	8.80	7.75	6.30	3.75	2.25	.70	53.00	265
Dry Land	1,310	60°	.15	.37	.54	1.86	4.31	3.30	.78	.61	.56	.34	11.	13.02	1.421
Alfalfa Hay	2,610	.35	.50	1.04	2.20	3.97	5.78	7.88	92.9	4.27	2.14	.72	.41	36.02	7,834
Small Grain	1,300	60.	.15	.37	.52	2.85	8.18	6.23	. 82	79.	.56	.34	.11	20.86	2,260
Total	2,600	.22	.32	.70	1.35	3.08	5.74	6.02	3.65	2.38	1.33	.54	.26	25.59	11,939
					Irri	Irrigated Non	Non-Rotation Cropland	Cropland							
						Z	ONE								
				Non-1	rrigated N	Von-Rotati	on & Non-C	Non-Irrigated Non-Rotation & Non-Cropped Phreatophytes	eatophytes						
						Z	ONE								
GRAND TOTAL	5,600	.22	.32	.70	1.35	3.08	5.74	6.02	3.65	2.38	1.33	.54	.26	25.59	11,939
						MOD KIHIN	MONTHLY DOMESTIC USE,	Acre Feet							
		1	2	2	00	11	12	14	13	6	4	1	0		80

Dry Land Consumptive Use equals the annual precipitation distributed according to the average monthly use rates of bare ground plus small grain.

40 4,172 2 5 192 167 1820 5,737 3,849 594 936 20 837 11,572 723 1,986 Sevier River Basin Annual Use Inches 6.00 36.02 6.00 6.00 15.33 25.08 39.71 14.14 11.69 30.17 30.16 79 25.51 86 26. 26. .. .11 Dec .41 11 .28 .11 .33 11 70 24 40 63 11 28 32 30 .35 .72 .35 .35 .65 .57 09 35 59 61 . 34 .64 Nov above Chicken Creek Reservoir, 3.80 3.80 2.14 1.46 3.80 1.86 1.87 1.14 1.05 1.69 57 1.92 Oct 09. .60 09. 4.27 2.65 2.12 3.46 5.48 2.24 3.20 Sept 09 3.68 3.68 Non-Rotation & Non-Cropped Phreatophytes .76 6.76 .76 5.74 5.70 7.80 3.12 5.11 8.09 3.28 4.05 5.50 4.81 63 Aug Acre Feet .62 6.18 Cropland .62 .62 7.88 6.52 3.34 5.46 8.64 3.15 5.60 6.02 2.88 6.47 July USE RATE, Inches Irrigated Rotation MONTHLY DOMESTIC USE, Irrigated Non-Rotation .73 .73 5.78 4.80 .73 4.72 5.61 4.80 2.11 3.46 5.47 1.75 3.45 une 3.75 Watershed B-2A, ONE MONTHLY 1.04 3.16 1.04 1.04 1.35 2.21 3.50 3.97 3.30 2.80 1.64 3.32 1.02 2.05 May Non-Irrigated April .60 2.20 1.48 .60 1.90 1.91 .60 .76 1.24 1.97 1.15 1.43 .54 .99 TABLE 10. -- Potential consumptive use, March 1.04 .38 .38 .38 .76 .61 .37 99 .72 38 85 86 .15 .15 .15 1.00 .33 15 .35 35 36 .15 .29 .33 Feb 60 60. 60. .09 .35 25 25 .29 60 .24 .24 .24 Jan 1,390 5,170 610 2,570 770 790 40 80 80 550 710 1,810 Acres 30 10 Salt Grass, W1 Salt Grass, W2 Salt Grass, W3 Greasewood, Wl Pickleweed, W2 Water Surfaces Water Surfaces Dryland Grain Water Surface Alfalfa Hay Small Grain Bare Ground Bare Ground Salt Grass, Bare Ground GRAND TOTAL Total Total Total

Alfalfa Hay includes 50 acres Alfalfa W1 Small Grain includes 20 acres Grain W1

	**					MONTHLY	MONTHLY USE RATE,	Inches						Annual	1 Use
Crop	Acres:	Jan	Feb	March	April	May	1	July	Aug	Sept	Oct	Nov	Dec :	Inches A	
						Irrigated	ted Rotation	no							
Bare Ground	30	60.	.15	.38	09.	1.04	.73	.62	.76	09.	.57	.35	.11	00.9	15
Water Surfaces	10	09.	1.00	2.50	7.00	06.9	8.90	8.90	7.80	07.9	3.80	2.30	.70	53.80	45
Alfalfa Hay	029	.35	.50	1.04	2.20	3.97	5.78	7.88	92.9	4.27	2.14	.72	.41	36.02	2,011
Small Grain	230	60.	.15	.38	.52	2.85	8.18	6.23	.75	.58	.57	.35	.11	20.76	398
Total	076	.28	.41	.87	1.76	3.63	6.24	7.26	5.11	3.27	1.73	.63	.33	31.52	2,469
					Irri	Irrigated Non-	Non-Rotation	Cropland							
Bare Ground	10	60.	.15	.38	09.	1.04	.73	.62	.76	09.	.57	.35	.11	9.00	5
Salt Grass, W2	350	.25	.35	. 85	1.90	3.30	4.80	6.52	5.74	3.68	1.86	.59	.33	30.17	880
Total	360	.25	.35	.84	1.86	3.24	69.4	6.36	5.60	3.59	1.82	.58	.32	29.50	885
				Non-Ir	Non-Irrigated N	Non-Rotation	ত	Non-Cropped Phr	Phreatophytes						
Bare Ground	07	60.	.15	.38	09.	1.04	.73	.62	.76	09.	.57	.35	.11	00.9	20
Water Surfaces	09	09.	1.00	2.50	4.00	06.9	8.90	8.90	7.80	07.9	3.80	2.30	. 70	53.80	269
Salt Grass, Wl	310	.18	.20	.37	.76	1.35	2.11	3.34	3.12	2.12	1.14	07.	.24	15.33	396
Salt Grass, W2	30	.29	.33	.61	1.24	2.21	3.46	5.46	5.11	3.46	1.86	.65	04.	25.08	63
Salt Grass, W3	240	97.	.52	.97	1.97	3.50	5.47	8.64	8.09	5.48	2.95	1.03	. 63	39.71	194
Greasewood, W1	730	60.	.15	.37	. 59	1.02	1.75	3.15	3.28	2.24	1.05	.34	11.	14.14	860
Pickleweed, W2	10	.19	.23	64.	66.	1.96	4.35	7.73	8.13	5.71	2.63	69.	. 28	33.38	28
Tules & Cattails	330	86.	1.16	2.18	4.15	6.82	9.61	13.20	11.61	7.80	4.32	1.62	1.10	64.55	1,775
Total	1,750	.34	.43	.87	1.61	2.74	4.07	90.9	5.64	3.86	2.05	.76	.42	28.83	4,205
GRAND TOTAL	3,050	.31	.42	.87	1.69	3.07	4.81	6.45	5.47	3.65	1.92	.70	.38	29.74	7,559
					MC	NUTHLY DOM	MONTHLY DOMESTIC USE,	Acre Feet							
		(	(		,		,	•	(	,	1	(	(	(	

Alfalfa includes 30 acres W1 and 50 acres W2 Alfalfa Small Grain includes 10 acres W1 Grain Greasewood W1 includes 120 acres Pickleweed W1.

Phreatophytes  0							MONTHLY	MONTHLY USE RATE, Inches	Inches						Annual Us	Use
Irrigated Non-England   Non-Irrigated Non-Rotation Cropland   Non-Irrigated Non-Rotation Cropland   Non-Irrigated Non-Rotation & Non-Cropped Phreatophytes   Non-Irrigated Non-Rotation & Non-Rota	Crop	Acres:	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec : In	ches Ac.	c. Ft.
A compared Non-Rotation Cropland  Intigated Non-Rotation Cropland  Non-Intigated Non-Rotation Cropland  Non-Intigated Non-Rotation & Non-Cropped Phreatophytes  Non-Intigated Non-Cropped Non-C							Irriga	ted Rotati	on							
Non-Irrigated Non-Rotation Cropland   Non-Irrigated Non-Rotation & Non-Cropped Phreatophytes   Non-Irrigated Non-Rotation & Non-Irrigated Non-Cropped Phreatophytes   Non-Irrigated Non-Rotation & Non-Irrigated Non-Cropped Phreatophytes   Non-Irrigated Non-Rotation & Non-Irrigated Non-Cropped Phreatophytes   Non-Irrigated Non-Irrigated Non-Cropped Phreatophytes   Non-Irrigated Non-Cropped Phreatophy							Z	0								
Across Ac						Irri	gated Non	-Rotation	Cropland							
Monthity Domestic Non-Traigated Non-Rotation & Non-Cropped Phreatophytes    10							Z	O								
daces 120 .09 .16 .38 .62 .97 .59 .50 .62 .49 .56 .370 .55 .40 .55 .40 .40 .56 .50 .49 .56 .370 .2.20 .65 54 .40 .60 .40 .40 .40 .40 .2.20 .65 54 .40 .40 .40 .40 .40 .40 .40 .40 .40 .4					Non-I	rrigated N	on-Rotati	on & Non-C	ropped Phr	eatophytes						
aces         120         .60         1.05         2.55         4.10         7.00         9.00         9.00         8.00         6.50         3.70         2.20         .65           W1         1,260         .18         .20         .37         .75         1.35         2.11         3.46         5.12         2.12         1.14         .40         .24           W2         .160         .29         .33         .61         1.75         3.15         3.28         2.24         1.05         .45         .40           W1         .20         .19         .16         .23         .99         1.96         4.35         7.73         8.13         5.71         2.63         .40         .28           40         .88         1.04         1.96         4.35         7.73         8.13         5.71         2.63         .69         .28           3,470         .16         .22         .28         1.44         2.28         3.60         3.53         2.44         1.24         .45         .20           L         3,470         .16         .22         .48         1.44         2.28         3.60         3.53         2.44         1.24         .45	Bare Ground	70	60°	.16	.38	.62	76.	.59	.50	.62	67.	.56	.33	.10	5.41	32
, WI 1,260 .18 .20 .37 .76 1.35 2.11 3.34 3.12 2.12 1.14 .40 .24 .40 .24 .40 .40 .24 .40 .40 .24 .40 .40 .40 .40 .40 .40 .40 .40 .40 .4	Water Surfaces	120	09°	1.05	2.55		7.00	00.6	00.6	8.00	6.50	3.70	2.20		54.35	75
, W2 160 .29 .33 .61 1.24 2.21 3.46 5.46 5.11 3.46 1.86 .65 .40 .40 .40 .40 .40 .40 .40 .40 .40 .40		1,260	.18	.20	.37	.76	1.35	2.11	3.34	3.12	2.12	1.14	07.		15.33	1,610
, W1 1,800 .09 .16 .38 .62 .97 1.75 3.15 3.28 2.24 1.05 .33 .10 .88 .10 .28 .28 .2.24 1.05 .33 .10 .28 .28 .28 .28 .28 .28 .28 .28 .28 .28		160	.29	.33	.61	1.24	2.21	3.46	5.46	5.11	3.46	1.86	.65		25.08	334
, W2 20 .19 .23 .49 .99 1.96 4.35 7.73 8.13 5.71 2.63 .69 .28 40 .88 1.04 8.65 11.88 10.45 7.02 3.89 1.46 .99 .28 3,470 .16 .22 .28 3.60 3.53 2.44 1.24 .45 .20 .20 .20 .28 3.60 3.53 2.44 1.24 .45 .20 .20 .20 .20 .20 .20 .20 .20 .20 .20		1,800	60°	.16	.38	.62	76.	1.75	3.15	3.28	2.24	1.05	.33		14.12	2,118
40 .88 1.04 1.96 3.74 6.14 8.65 11.88 10.45 7.02 3.89 1.46 .99 3,470 .16 .22 .28 .86 1.44 2.28 3.60 3.53 2.44 1.24 .45 .20  L 3,470 .16 .22 .48 .86 1.44 2.28 3.60 3.53 2.44 1.24 .45 .20		20	.19	.23	64.	66.	1.96	4.35	7.73	8.13	5.71	2.63	69.		33.38	26
3,470 .16 .22 .28 .86 1.44 2.28 3.60 3.53 2.44 1.24 .45 .20 3,470 .16 .22 .48 .86 1.44 2.28 3.60 3.53 2.44 1.24 .45 .20 MONITHLY DOMESTIC USE, Acre Feet	Salt Cedar	07	.88	1.04	1.96	٠.	6.14	8.65	11.88	10.45	7.02	3.89	1.46		58.10	194
3,470 .16 .22 .48 .86 1.44 2.28 3.60 3.53 2.44 1.24 .45 .20 MONIHLY DOMESTIC USE, Acre Feet	lotal	3,470	.16	.22	.28	.86	1.44	2.28	3.60	3.53	2.44	1.24	54.		16.90	4,888
	GRAND TOTAL	3,470	.16	.22	87.	98*	1.44	2.28	3.60	3.53	2.44	1.24	.45	.20	16.90	4,888
						MC	NTHLY DOM	ESTIC USE,	Acre Feet							

Greasewood W1 includes 160 acres Pickleweed W1.

Crop         Acres:         Jan         Feb         March           Bare Ground         280         .11         .17         .39           Water Surfaces         2,110         .11         .17         .39           Alfalfa Hay         2,980         .34         .48         .98           Small Grain         750         .11         .17         .39           Total         6,160         .22         .32         .69           Meadow, WI         10         .70         1.10         2.60           Meadow, WI         410         .17         .19         .36           Meadow, W3         300         .45         .50         .94           Greasewood, W1         420         .11         .17         .39           Total         1,910         .25         .29         .56	April May  .63 .99 4.20 7.10 .51 1.18 2.10 3.79 .51 1.81 1.31 2.55 Irrigated Non-Ro	Jul 18 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	8 8 8 Nreato	.85 Sept. .85 .57 .10 6.10 .80 .57 .36 .57 .56 2.18	.52 3.50 3.50 1.92 .52	. 38 2.50 2.50 . 38 . 58 . 38		Ac	. Ft.
Ground 280 .11 .17 .3  r Surfaces 2,10 .11 .17 .3  lfa Hay 2,980 .34 .48 .9  l Grain 2,160 .12 .13 .3  l Grain 6,160 .22 .32 .6  lui Sacaton, Wl 410 .70 1.10 2.6  low, Wl 770 .28 .32 .5  ssewood, Wl 420 .11 .17 .3  al 1,910 .25 .29 .5	3 5.1.5 6	N N N	70 8.33 6.20 8.02 67 3.8	9 8 8		2.38 2.50 3.38 3.38 3.49		-	
280 .11 .17 .3 40 .70 1.10 2.6 2,980 .34 .48 .9 2,980 .34 .48 .9 3,00 .11 .17 .3 6,160 .22 .32 .6 1, W1 10 .70 1.10 2.6 770 .28 .32 .5 300 .45 .50 .9 1,910 .25 .29 .3	3. 3. 1. 5.	N N 75.	. 50 8. 3.37 6. 20. 67 3.9 and	0 8 2		2.38			1
2,110 .11 .17 .3 2,980 .34 .48 .9 1,17 .17 .3 6,160 .22 .32 .6 6,160 .70 1.10 2.6 1, W1 10 .70 1.10 2.6 770 .28 .32 .50 .9 1,910 .25 .29 .5	5. 2. 1. 5. E.	9. 6. 7. 7. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	37 8. 38 6. 02 6 67 3.9	9 8 9		2.50			144
2,110 .11 .17 .3 2,980 .34 .48 .9 .11 .17 .3 6,160 .22 .32 .6 .10 .70 1.10 2.6 .10 .17 .19 .3 .10 .17 .19 .3 .10 .410 .17 .19 .3 .10 .10 .28 .32 .5 .10 .10 .25 .29 .5	24.	3. 7. 7. N N N	37 6.2 02 6.2 67 3.5 and Phreatopl	2 3		.38		54.40 1	181
ton, Wl 10 .70 1.10 2.6  Wl 420 .11 .17 .3  Wl 420 .11 .17 .3  Wl 420 .11 .17 .3  1,910 .25 .29 .5		N N S.	38 6.7 67 3.6 and and	3		.38		11.84 2,0	082
ton, Wl 10 .70 1.10 2.6  Wl 420 .11 .17 .3  Wl 420 .11 .17 .3  Wl 420 .11 .17 .3  1,910 .25 .29 .5		N N N	67 3.6	2		.38		33.75 8,3	8,381
6,160 .22 .32 .6  Li Sacaton, Wl 10 .70 1.10 2.6  Sw, Wl 770 .28 .32 .5  Sewood, Wl 420 .11 .17 .3  1,910 .25 .29 .9	L.	N N	land land ed Phreatopl	2	1.22	64.	.12		271
10 .70 1.10 2.6 410 .17 .19 .3 770 .28 .32 .5 300 .45 .50 .9 420 .11 .17 .3 1,910 .25 .29 .5	Irrigated Not	N N	land	hytes			.25	23.49 12,059	650
10 .70 1.10 2.6 410 .17 .19 .3 770 .28 .32 .5 300 .45 .50 .9 420 .11 .17 .3		Z	ed Phreatopl	hytes					
10 .70 1.10 2.6 410 .17 .19 .3 770 .28 .32 .5 300 .45 .50 .9 420 .11 .17 .3 1,910 .25 .29 .9	1	1	ed Phreatopl	hytes					
10 .70 1.10 2 410 .17 .19 770 .28 .32 300 .45 .50 420 .11 .17	Non-Irrigated Non-Rotation	8							
W1 410 .17 .19 W2 770 .28 .32 W3 300 .45 .50 cod, W1 420 .11 .17	4.20 7.10	9.20 8.	.50 8.10	10 6.10	3.50	2.50	. 80	24.40	45
W2 770 .28 .32 W3 300 .45 .50 ood, W1 420 .11 .17	.71 1.30				1.02	.33			065
00d, W1 420 .11 .17 1,910 .25 .29	1.15 2.13	3.36 5	5.16 4.82	3	1.66	. 54	.37	.46 1,	,505
W1 420 .11 .17					2.63	.86		37.14 9.	929
1,910 .25 .29	.38 .71	1.72 2	.92 3.0	.05 1.99	.92	.38	.12	12.86 4	450
	1.01 1.86	3.06 4	4.72 4.49	49 2.88	1.52	.52	.32	21.48 3,4	419
GRAND TOTAL 8,070 .23 .31 .66	1.24 2.38	4.56 5	5.45 3.78	78 2.35	1.29	.50	.26	23.01 15,478	1,78
	MONTHLY DO	MONTHLY DOMESTIC USE, Acre	- Feet						
1 2 4	7 10	11	12	12 8	4	1	0		72

	••	1				MONTHLY	USE RATE.	Inches						Annual	Use
Crop	Acres:	Jan	Feb	March	April	May		July	Aug	Sept	Oct	Nov	Dec:	Inches	Ac. Ft.
						Irrigated	sted Rotation	no							
Bare Ground	370	60	.16	39	75	1.09	99.	747	.82	.51	09.	07.	.11	6.05	187
Water Surfaces	70	09.	1.08	2.60	5.00	7.25	9.50	10.00	8.75	6.50	7.00	2.65	.75	58.68	342
Alfalfa Hav	4.560	.39	.54	1.23	2.48	4.54	6.77	9.03	7.83	4.85	2.52	.77	77.	41.39	15,728
Small Grain	1,730	60.	.16	.38	99.	4.19	6.67	4.73	.82	.51	09.	04.	.11	22.32	3,218
Corn	350	60°	.16	.39	.76	1.53	6.08	10.71	6.11	.51	09.	07.	.11	27.45	801
Potatoes	130	60.	.16	.39	.75	1.29	3.18	8.94	9.79	6.24	09.	07.	.11		346
Sugar Beets	130	60.	.16	.39	1.60	2.18	4.63	8.55	8.85	5.75	2.14	07.	.11	34.85	378
Total	7,340	.28	.41	.93	1.86	4.07	7.04	7.66	5.80	3.46	1.85	.65	.32	34.33	21,000
					Irri	Irrigated Non	Non-Rotation	Cropland							
						4	NONE								
				Non-Ir	rrigated N	Non-Rotation	حح	ropped Phr	Non-Cropped Phreatophytes						
Bare Ground	076	60.	.16	.39	.75	1.09	99.	74.	.82	.51	09.	04.	.11	6.05	474
Water Surfaces	006	09.	1.08	2.60	2.00	7.25	9.50	10.00	8.75	6.50	4.00	2.65	.75	58.68	4,401
Salt Grass, Wl	1,240	.20	.22	. 44.	.85	1.56	2.49	3.83	3.60	2.41	1.34	.43	.26	17.63	1,822
Salt Grass, W3	300	.51	.57	1.14	2.21	4.04	97.9	9.93	9.34	6.24	3.46	1.12	.67	45.69	1,142
Greasewood, Wl	1,650	.09	.16	.39	.75	. 88	2.07	3.60	3.77	2.54	1.24	.40	11.05	16.00	2,200
Total	5,740	.32	94.	1.02	1.94	2.99	4.32	5.73	5,35	3.68	2.12	76.	.39	29.26	13,997
GRAND TOTAL	13,080	.31	.43	76.	1.90	3.59	5.85	6.81	5.61	3.55	1.97	.78	.34	32.11	34,997
					MC	NTHLY DON	MONTHLY DOMESTIC USE,	Acre Feet							
		2	5	12	17	26	29	33	31	21	10	m	ı		189

						MONTHLY	USE KAIE,	Inches					: An	Annual Use
Crop	Acres :	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec: Inches	es Ac. Ft.
						Irrigated	ted Rotation	ion						
Rare Ground	280	.11	.16	39	89	66	.59	. 54	79.	.42	.62	.41	2 5.	
Water Surfaces	09	.70	1.08	2.60	4.50	6.95	9.40	9.50	8.50	6.50	4.10	2.75	.77 57.	35 287
Alfalfa Hav	3,830	07.	. 54	1.24	2,49	4.54	99.9	8.85	7.69	4.78	2.47	. 84		13
Small Grain	1,410	11.	.16	.39	9.	3.89	9.55	5.26		.42	.62	.41		25 2,615
Corn	280	.11	.16	.39	.68	1.44	5.29	10.59	19.9	.42	.62	.41	.12 26.84	
Potatoes	110	.11	.16	.39	.68	1.16	3.16	8.37	9.56	5.75	.62	.41		580
Total	5,970	.30	.41	56.	1.88	4.04	96.9	7.69	5.69	3.38	1.84	.71	.34 34.1	17,010
					Irr	Irrigated Non	Non-Rotation	Cropland						
						Z	NE							
				NON-IRRI	GATED	NON-ROTATION	8	NON-CROPPED PHREATOPHYTES	EATOPHYTES					
Bare Ground	2.040	.11	.16	.39	89.	66.	.59	.54	79.	.42	.62	.41		
Water Surfaces	100	.70	1.08	2.60	4.50	6.95	07.6	9.50	8.50	6.50	4.10	2.75	.77 57.35	
	1,350	.19	.20	04.	62.	1.43	2.25	3,46	3.26	2.19	1.21	77.		6 1,807
	330	.30	.32	.65	1.26	2.29	3.60	5.53	5.22	3.50	1.94	.70	7	
Salt Grass, Wl	1,730	.21	.22	.45	88.	1.59	2.50	3.84	3.62	2,43	1.34	67.	17.	2,
Grass.	330	.33	.36	.72	1.40	2.55	4.00	6.14	5.80	3.89	2.15	.78	.43 28.5	55 785
Grass,	06	.52	.57	1.14	2.22	4.04	6.34	9.72	9.18	6.16	3.40	1.23	45.	
Greasewood, W1	260	.11	.16	.39	. 68	66.	2.06	3.56	3.67	2.53	1.19	.41	.12 15.8	7 741
Greasewood, W2	330	.20	.25	.55	1.13	2.24	5.02		9.20	3	3.02	.81	37.	6 1,
Combined Phreatophytes	3,050	.16	.17	.35	.68	1.22	1.92	2.96	2.79	1.87	1.03	.38	.21 13.74	4 3,492
Total	9,910	.18	.20	77.	78.	1.45	2.14	3.23	3.12	2.11	1.22	64.	.23 15.65	5 12,923
Grand Total	15,880	.23	.28	.63	1.23	2.42	3.95	4.91	4.09	2.59	1.45	.57	.27 22.6	2 29,933
					M	MONTHLY DOM	DOMESTIC USE,	Acre Feet						
		-	2	2	00	12	14	15	15	10		pro-t	ı	000

Alfalfa Hay includes 200 acres Alfalfa W1 Small Grain includes 70 acres Small Grain W1 C.U. for Alkali Sacaton is 90% of Salt Grass. C. U. for combined phreatophytes is 3 inches more than precipitation. Distribute according to W1 salt grass percentage.

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							T XX	Sacra						2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	כמע
Crop	Acres:	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec:	S	Ac. Ft.
						Irrigated	ited Rotati	ПО							
Bare Ground	5,730	.11	.17	.41	.78	.76	.41	.43	.51	.33	. 62	.43	.12	5.08	2,426
Alfalfa Hay Alfalfa Hav 2nd Cron	3,080	.35	.52	1.09	2.26	4.10	5.99	8.13	6.27	4.19	2.08	.64	.41	36.03	9,248
Seed	19,720	.35	.52	1.09	2.26	4.10	5.99	Γ.	6.10	1.80	.85	.50	.41	32.10	52,751
Alfalfa Seed	098'6	.35	.52	1.09	2.26	4.10	5.99	00	3.00	1.07	.65	.45	.41	27.74	22,793
Small Grain	16,030	.11	.17	.41	.78	3.19	8.62	. 7	.51	.33	.62	.43	.12	20.99	28,038
Corn	4,310	Ξ:	.17	.41	.78	1.22	4.47	. 7	5.74	.61	.62	.43	77.	24.41	3,767
Sugar Beets Pasture	3,080	.35	.17	1.09	2.26	1.95	4.15 5.99	7.98 8.13	6.27	4.72	2.08	. 64	.12	36,03	5,555
10 1 10 1 10 10 10 10 10 10 10 10 10 10	63,660	.24	.36	.78	1.58	3.27	5.96	6.88	3.75	1.43	.81	74.	.28	25.81	136,939
שוו אמרכן מתוומרכם ד	וור זממפת זוו	הוויבמרחה	ווארב מזבי	4.	Irr	Irrigated Nor	Non-Rotation	Cropland							
						Ku	NONE								
				T - CM	4	Mon-Doctor	u	Non-Contract Dry von Contract	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4						
				T-UON	rigared	Non-Rotal	ö	ropped ru	earopnyles						
Bare Ground	6,390	.11	.17	.41	.78	.76	.41	4	.51	.33	.62	.43	.12	5	2,70
Bare Ground, W2	9,030	.13	.21	.53	1.01	1.42	1.88	2.16	1.76	1.39	.81	.55	.15	12.00	9,030
water surraces	7,040	0/.	1.12	61.13	2.63	04.	7.80	٧.	9.40	67.7	67.4	6.03	//-	7	13,770
Meadow, W2	3,260	.29	.34	79.	1.25	2.30	3.60	5.64	4.70	3.40	1.81	.59	.39	24.95	6,778
	10,460	.11	.13	.25	74.	98.	1.35	2.11	1.76	1.28	. 68	.26	.14	07.6	8,194
Grass, V	5,150	.18	.21	.41	.78	1.44	2.25	3.52	2.94	2.13	1.13	.43	.24	15.66	6,721
Salt Grass, W2	17,200	. 29	.34	1.01	1.25	3.64	3.60	5.64	7.44	3.40	1.81	. 93	. 39	39.49	35,762
5															
	10,460	.07	.10	.25	.47	.48	1.10	1.96	1.83	1.30	.62	.26	.07	8.51	7,418
0	4,160	.11	.17	.41	. 78	08.	1.84	3.27	3.04	2.17	1.04	.43	.12	14.18	4,916
	4,630	.18	.24	.50	1.00	2.05	4.54	10.07	10.30	7.57	2.55	29.	17.	33.02	12,740
Greasewood, ws	2,110	68	1.08	2.03	3.83	6.35	6.00	12.24	69.6	6.87	3.77	1.31	. 97	58.03	3.482
Combined Phreatophytes	3		) 1		) (				r				,		
	59,1/0	11.	1,1,	.41	0/.	00.	1.30	7.11	1./0	1.4/	/0.	.43	, I 4	10.06	47,004
Total	136,430	.16	.22	64.	.95	1,35	2.13	3.26	2.79	2.04	1.08	.50	.20	15.17	172,487
GRAND TOTAL	200,090	.19	.27	.58	1.15	1.96	3.34	4.41	3.10	1.85	66.	64.	.23	18.56	309,426
					MONTHLY DO	DOMESTIC US	USE, Acre Fe	eet							
		00	30	71	110	156	181	199	196	127	19	18	ς,		1,160

Pach   March   April   Content on the content of	TABLE 17	Potential		consumptive	ve use,	Ø ₹	Lersned	C-I, FR	rayerre,	מבאדבו	UTACT	Dastii			Louise	Iloo
Charles   14.0   1.0			1 1	1-4	Managh	A 1	MONTHLY	USE KAIE,	Inches	( : V	4600	100	Moss		Tachor	0.8 C
140   1.0   1.20   2.50   4.50   7.00   10.00   10.50   8.00   7.00   4.20   2.50   1.50   1.50   10.50   10.50   8.00   7.00   4.20   2.50   1.50   1.50   10.50	crop	Acres	Jan	rep	March	April	Irrig	June sted Rotat		Aug	oebr	130	NO.	חשר	Tuciles	AC. FL.
1,620   18   1,620   18   1,52   1,40   1,10   1,20   1,	ware Ground Water Surfaces	140	.10	.20	.40	.70	.80	1.00	.70	.70	.50	.60	.30	.10	6.10	71 97
The count   160	.lfalfa Hay mall Grain	1,620	.18	.35	66.	2.03	3.81	6.00	7.61	6.62	3.92	2.06	.62	.23	34.42	4,647
Ground         Solution         1.55         2.99         5.90         7.39         5.32         3.01         1.54         .51         .70           Ground         Solution         1.0         1.0         1.05         1.00         1.05         7.00         4.50         7.00	orn ugar Beets	160	.10	.20	07.	.70	1.04	3.23	8.94	6.75	1.37	.60	.30	.10	23.73	316
So	otal	2,600	.15	.30	.78		2.99	5.90	7.39	5.32	3.01	1.54	.51	.20	29.64	6,422
So						Irr	gated No	n-Rotation								
with the control of t	Sare Ground Jater Surface	50	.10	.20	2.50		.80	1.00	.70	.70	.50	.60	2.00	.10	6.10	388
Ground 100 .10 .20 .40 .70 .80 1.00 10.50 8.00 .50 3.20 1.00 10.50 8.00 7.00 4.20 2.00 .80 Crass, W2 860 .14 .22 .50 4.50 7.00 10.00 10.50 8.00 7.00 4.20 2.00 .80 Crass, W3 3,190 .22 .35 .95 1.74 3.40 5.71 8.43 7.92 5.00 2.09 .99 .30 .10 sewood, W1 80 .10 .20 .40 7.00 1.80 7.55 7.95 5.00 2.47 6.0 1.50 crass, W3 3.19 0.20 .38 1.84 3.39 5.96 9.37 12.17 10.39 6.36 2.80 3.53 1.20 .52 Crass 1.00 1.83 3.44 5.67 8.08 7.44 4.79 2.09 2.06 .88 3.35 1.20 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5		90 2,560	.12	.25	. 83		3.20	4.94	6.36	5.60	3.35	1.78	. 52	.19	28.88	217
100   10   2.0   40   4.50   7.00   10.00   10.50   8.00   7.00   4.20   2.00   1.00   1.00   1.50   8.00   7.00   4.20   2.00   1.00   1.00   1.50   8.00   7.00   4.20   2.00   8.00   1.00   1.00   1.00   1.05   8.00   1.00   1.77   3.73   3.19   3.22   3.50   3.20   3.20   3.20   3.70	Cotal	2,780	.14	.27	.87		3.26	5.01	6.38	5.58	3.40	1.83	.56	.21	29.31	6,791
w2 860 .14 .22 .50 4.50 7.00 10.00 10.50 8.00 7.00 4.20 2.00 .80 .80					Non-		Non-Rotat	ion & Non-	Cropped Ph	reatophytes						
W2 860 .14 .22 .60 1.10 2.14 3.61 5.32 5.00 3.20 1.77 .57 .23 W3 3,190 .22 .35 .95 1.74 3.40 5.71 8.43 7.92 5.06 2.80 .90 .37 .23 W1 80 .10 .20 .45 .94 1.87 4.49 7.55 7.95 5.20 2.47 .60 .16 W2 5.00 .38 .68 1.84 5.95 5.96 9.37 12.17 10.39 6.36 5.20 2.47 .60 .16 .15 10.320 .19 .33 3.44 5.67 8.08 7.44 4.79 2.66 .88 .36 10.320 .19 .33 .91 1.75 3.27 5.55 7.44 6.40 3.97 2.16 7.71 .28 W1 MONITHLY DOMESTIC USE, Acre Feet	Sare Ground Vater Surfaces	100	.10	1.00	2.50	.70	.80	1.00	.70	.70	.50	.60	.30	.10	6.10	51
W1 80 .10 .20 .40 .70 1.00 1.80 3.03 3.19 2.09 .99 .30 .10 W2 60 .10 .20 .45 .94 1.87 4.49 7.55 7.95 5.20 2.47 .60 .16 500 .38 .68 1.84 3.39 5.96 9.37 12.17 10.39 6.36 3.53 1.20 .52 4,940 .23 .37 1.00 1.83 3.44 5.67 8.08 7.44 4.79 2.66 .88 .36 10,320 .19 .33 .91 1.75 3.27 5.55 7.44 6.40 3.97 2.16 .71 .28		3,190	.14	.35	.60	1.10	2.14	3.61	5.32	5.00	3.20	1.77	.90	.23	23.90	1,713
4,940 .23 .37 1.00 1.83 3.44 5.67 8.08 7.44 4.79 2.66 .88 .36 TOTAL 10,320 .19 .33 .91 1.75 3.27 5.55 7.44 6.40 3.97 2.16 .71 .28 MONTHLY DOMESTIC USE, Acre Feet	Greasewood, W1 Greasewood, W2 Salt Cedar	80 60 500	.10	.20	.40		1.00	1.80	3.03	3.19 7.95 10.39	2.09	2.47	.30	.10	13.90 31.98 55.79	92 160 2,325
TOTAL 10,320 .19 .33 .91 1.75 3.27 5.55 7.44 6.40 3.97 2.16 .71 .28  MONTHLY DOMESTIC USE, ACTE Feet	Total	4,940	.23	.37	1.00		3.44	5.67	8.08	7.44	4.79	2.66	. 88	.36	36.75	15,130
MUNIHLY DUMESILC USE, ACTE FEET  1 2 4 5 6 6 6 4 2 7 1		10,320	.19	.33	.91	.75	3.27	5.55	7.44		3.97	2.16	.71	. 28	32.96	28,343
				-	2	4	S 5	9	Acre ree	9	7	2				37

						MONTHLY	MONTHLY USE RATE.	Inches,						Annual	l Use
Crop	Acres:	Jan	Feb	March	April	May		July	Aug	Sept	Oct	Nov	Dec:	Inches	Ac. Ft.
						Irriga	Irrigated Rotation	· . uol							
	C N	01	00	0.7	7.0	Co	00	'f	0	C	60	30	10	6 10	280
Water Surfaces	160	.70	1.00	2.50	4.50	7.00	10.00	10.50	8.00	7.00	4.20	2.00	. 80	58.20	776
Alfalfa Hay	10,070	.18	.35	66.	2.03	3.81	00.9	7.61	6.62	3.92	2.06	.62	.23	34.45	28,884
Small Grain	3,100	.10	.20	04.	.70	1.82	8.50	7.98	.85	.50	09.	.30	.10	22.05	5,696
Corn	1,080	.10	.20	04°	.70	1.04	3.23	8.94	6.75	1.37	09.	.30	.10	23.73	2,136
Sugar Beets	1,240	.10	.20	07.	.70	1.52	3.82	7.32	7.63	4.44	.72	.30	.10	27.25	2,816
Total	16,200	.16	.30	.79	1.56	3.00	00.9	7.54	5.41	3.05	1.55	.51	.19	30.06	40,588
					Irri	gated Non	Irrigated Non-Rotation	Cropland							
Bare Ground	09	.10	.20	04.	.70	.80	1.00	.70	.70	.50	09.	.30	.10	6.10	30
Water Surface	120	.70	1.00	2.50	4.50	7.00	10.00	10.50	8.00	7.00	4.20	2.00	. 80	58.20	582
Meadow, W1	880	.12	.25	.83	1.74	3.20	46.4	6.36	5.60	3,35	1.78	.52	.19	28.88	2,118
Meadow, W2	1,730	.12	.25	.83	1.74	3.20	4.94	6.36	5.60	3.35	1.78	.52	.19	28.68	4,164
Total	2,790	.14	.28	. 89	1.84	3.31	5.07	6.42	5.60	3.45	1.86	.58	.21	29.65	6,894
				Non-I	Non-Irrigated N	Non-Retation		& Non-Cropped Phr	Phreatophytes						
Bare Ground Water Surfaces	90 210	.10	.20	2.50	.70	.80	1,00	10.50	.70	.50	.60	.30	.10	6.10	1,019
Salt Grass, W2 Salt Grass, W3	610	.14	.22	.95	1.10	2.14	3.61	5.32	5.00	3.20	1.77 2.80	.90	.23	23.90	1,215
Greasewood, W1 Greasewood, W2 Salt Cedar	1,280 220 240	.10	.20 .20 .68	.40	.70 .94 3.39	1.00	1.80	3.03 7.55 12.17	3,19 7.95 10.39	2.09 5.20 6.36	.99 2.47 3.53	.30	.10	13.90 31.98 55.79	1,483 586 1,116
Total	7,640	.20	.33	. 83	1.52	2.74	4.59	6.63	6.23	4.07	2.21	. 73	.29	30.37	11,742
GRAND TOTAL	23,630	.17	.30	.81	1.58	2.99	5.61	7.23	5.59	3.30	1.72	95.	.21	30.07	59,224
					MC	NTHLY DOM	MONTHLY DOMESTIC USE,	Acre Feet							
		-	ш	C	10	27	23	37.	33	23	C	c	-		000

Crop         Acres; Jan         Feb           Bare Ground         760         .10         .20           Water Surfaces         160         .70         1.00           Alfalfa Hay         10,350         .17         .33           Small Grain         3,240         .10         .20           Corn         840         .10         .20           Sugar Beets         840         .10         .20           Meadow, W1         16,080         .15         .29           Meadow, W2         1,080         .12         .25           Total         1,400         .12         .25           Bare Ground         60         .10         .20           Water Surfaces         40         .70         1.00	March 2.50 2.50 40 40 40 79 79 83	April Irr .70 4.50		June	Ter 1 av				N		ל ווווון ממין	7000
Found 760 .10 .10 .70 .10 .70 .70 .70 .70 .70 .70 .70 .70 .10 .730 .10 .840 .10 .10 .10 .10 .10 .10 .10 .10 .10 .1	2 . 40	.70 .50			July	Aug	Sept	Oct	NOV	Dec:	Inches	
Surfaces 760 .10  Surfaces 160 .70  a Hay 10,350 .17  Grain 3,240 .10  Beets 840 .10  16,080 .15  , W1 320 .12  , W2 1,080 .12  , W2 1,080 .12  Surfaces 60 .10	2.50			Rotation								
Surfaces 160 .70  a Hay 10,350 .17  Grain 3,240 .10  Beets 840 .10  16,080 .15  7, W1 320 .12  7, W2 1,080 .12	2.50		1.00	.83	.73	.73	.53	09.	.30	.10	6.22	394
Grain 10,350 .17  Grain 3,240 .10  Beets 840 .10  16,080 .15  7, W1 320 .12  7, W2 1,080 .12  1,400 .12  1,400 .12  Ground 60 .10  Surfaces 40 .70	.83		7.00	10.00	10.50	8.00	7.00	4.20	2.00	. 80	58.20	176
Grain 3,240 .10  Beets 840 .10  10,080 .15  1,400 .12  1,400 .12  1,400 .12  1,400 .12  Cround 60 .10  Surfaces 40 .70		2.05	3.78	5.78	7.44	6.45	3.89	2.04	. 63	. 24	33.77	29.127
Meets 840 .10 .10 .10 .10 .10 .10 .10 .10 .15 .15 .15 .15 .15 .15 .15 .15 .15 .15	.83	. 70	1.79	8.19	7.77	80	. 54	09	30	10	21.57	5,824
Beets 840 .10 16,080 .15 7, W1 320 .12 7, W2 1,080 .12 1,400 .12 1,400 .12 Surfaces 60 .10	.83	. 70	1.04	3.23	8.94	6.75	1.37	09	30	.10	23.73	1,444
16,080 .15 W1 320 .12 W2 1,080 .12 1,400 .12 urfaces 60 .10	. 79	.70	1.52	3.82	7.32	7.63	4.44	.72	.30	.10	27.25	1,907
W1 320 .12 W2 1,080 .12 1,400 .12 ound 60 .10 urfaces 40 .70	83.83	1.61	3.04	5.85	7.28	5.15	3.00	1.57	.53	. 20	29.46	39 472
W1 320 .12 W2 1,080 .12 1,400 .12 1,400 .12 ound 60 .10	. 83	Irrigated	Non-Rotation	ion Cropland	pu							
M2 1,080 .12 1,400 .12 ound 60 .10 urfaces 40 .70	83		3.20	76.7	6.36	5.60	3.35	1.78	.52	.19	28.88	770
1,400 .12 Ground 60 .10 Surfaces 40 .70		1.74	3.20	4.94	6.36	5.60	3.35	1.78	.52	.19	28.88	2,599
60 .10	.83	1.74	3.20	76.4	6.36	5.60	3.35	1.78	.52	.19	28.88	3,369
60 .10	Non-Irrigated	ed Non-Rotation	ठ	Non-Cropped	Phreatophytes	rtes						
040 .70	04.	.70	1.00	. 83	.73	.73	.53	. 60	.30	.10	6.22	31
	2.50	4.50	7.00	10.00	10.50	8.00	00.7	4.20	2.00	. 80	58.20	194
		1.11	2.12	3.52	5.20	4.89	3.17	1.75	.58	.24	23.51	705
	06.	1.81	3.29	5.18	7.71	7.27	06.4	2.71	76.	.39	35.61	2,819
Greasewood, Wl 240 .10 .20	04.	.70	1.00	1.62	2.80	2.93	2.04	96.	.30	.10	13.15	263
, W2 20 .10	.45	76.	1.87	67.4	7.55	7.95	5.20	2.47	09.	.16	31.98	53
& Willows 100 .14	1.19	2.85	4.85	6.88	9.11	8.01	5.17	2.69	.82	.27	42.28	353
	1.81		5.89	9.02	11.82	10.09	6.31	3.48	1.21	.53	54.60	819
Total 1,950 .19 .32	. 89	1.76	3.10	78.4	96.9	6.42	4.28	2.35	.81	.33	32.23	5,237
GRAND TOTAL 19,430 .15 .29	.80	1.64	3.06	5.69	7.18	5.31	3.15	1.66	.56	.21	29.70 4	48,083
		MONTHLY	NITHLY DOMESTIC USE,	USE, Acre Feet	Feet							
4 13	29	777	62	73	80	79	51	24	7	. 2		468

Alfalfa includes 150 acres Alfalfa Wl and 400 acres Alfalfa W2 Small grain includes 40 acres small grain Wl and 110 acres small grain W2 Corn includes 20 acres corn W1.

TABLE 20 Potential	Potential		consumptive	ve use,	Watershed		C-4, W1	Willow Cr	Creek,	Sevier	River	Basin			
					MONT	MONTHLY USE RA	RATE, Inches						•	Ammual Use	0
Crop	Acres:	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec:	Inches	Ac. Ft.
					In	Irrigated Ro	Rotation								
Bare Ground Water Surfaces	40	.10	.20	2.50	.70	.80	1.00	.70	.70	.50	.60	.30	.10	6.10	20
Alfalfa Hay	820	.18	.35	66.	2.03	3.81	6.00	7.61	6.62	3.92	2.06	.62	. 23	34.45	2,352
Small Grain	250	.10	.20	07.	.70	1.82	8.50	7.98	.85	.50	.60	.30	.10	22.05	178
Sugar Beets	100	.10	.20	07.	.70	1.52	3.82	7.32	7.63	4.44	.72	30	100	27.25	227
Total	1,320	.16	.31	.80	1.58	3.03	6.03	7.58	5.45	3.08	1.57	.53	.19	30,31	3,333
					Irrigated	Non-Rota	Non-Rotation Cropland	pu							
Meadow, Wl	09	.12	.25	. 83	1.74	3.20	76.7	6.36	5.60	3.35	1.78	.52	.19	28.88	144
Total	09	.12	.25	.83	1.74	3.20	4.94	6.36	5.60	3.35	1.78	.52	.19	28.88	144
				Non-Irrigate	12	Non-Rotation &	Non-Cropped	d Phreatophytes	nytes						
Water Surfaces	10	.70	1.00	2.50	4.50	7.00	10.00	10.50	8.00	7.00	4.20	2.00	. 80	58.20	67
Greasewood, Wl Salt Cedar	400	.10	.20	.40	3.39	1.00	1.80	3.03	3.19	2.09	.99	.30	.10	13.90	463
Total	420	.12	. 23	.48	. 85	1.26	2.18	3.43	3.47	2.31	1.13	.36	.13	15.95	558
GRAND TOTAL	1,800	.15	. 29	.72	1.41	2.62	5.10	6.57	5.00	2.91	1.47	67.	.18	26.91	4,035
					MONTHLY	DOMESTIC	USE, Acre	Feet							
		ı	2	т	5	œ	6	10	10	9	m	-	1		57
	The state of the s														-

Bare Ground Water Surfaces Alfalfa Hay Small Grain Corn	Acres:					LICIATION C	COL MALLE A	Helles.			-			VIIIIdat	USe
Bare Ground Water Surfaces Alfalfa Hay Small Grain Corn		Jan	Feb	March	April	May		July	Aug	Sept	Oct	Nov	Dec:	Inches	Ac. Ft.
Bare Ground Water Surfaces Alfalfa Hay Small Grain Corn						Irrigated	ed Rotation	u							
Water Surfaces Alfalfa Hay Small Grain Corn	260	0.	20	077	7.0	08	1 00	7.0	70	50	09	30	10	6.10	132
Alfalfa Hay Small Grain Corn	20	.70	1.00	2.50	4.50	7.00	10.00	10.50	8.00	7.00	4.20	2.00	.80	58.20	97
Small Grain Corn	1.290	100	.35	66	2.03	3.81	00.9	7.61	6.62	3.92	2.06	.62	.23	34.42	3,700
Corn	7400	.10	.20	04.	.70	1.82	8.50	7.98	. 85	.50	09.	.30	.10	22.05	735
	140	.10	.20	04.	.70	1.04	3.23	8.94	6.75	1.37	09.	.30	.10	23.73	277
Sugar Beets	160	.10	.20	07.	.70	1.52	3.82	7.32	7.63	4.44	.72	.30	.10	27.25	363
Total	2,270	.15	.29	.75	1.49	2.81	5.58	6.97	5.02	2.83	1.47	. 50	.18	28.04	5,304
					Irrigated		Non-Rotation C	Cropland							
Bare Ground	30	.10	.20	04.	.70	. 80	1.00	.70	.70	. 50	09.	.30	.10	6.10	15
Water Surface	04	.70	1.00	2.50	4.50	7.00	10.00	10.50	8.00	7.00	4.20	2.00	. 80	58.20	194
Meadow, W1	1,140	.12	.25	.83	1.74	3.20	46.4	6.36	5.60	3,35	1.78	.52	.19	28.88	2,744
Meadow, W2	300	.12	.25	.83	1.74	3.20	76.7	6.36	5.60	3,35	1.78	.52	.19	28.88	722
Total	1,510	.13	.27	. 86	1.79	3.25	5.00	6.36	5.57	3.39	1.82	. 56	.20	29.20	3,675
				Non-Irr	igated	Non-Rotation	on & Non-Cropped		Phreatophytes						
Bare Ground Water Surfaces	30	.10	.20	2.50	.70	.80	1.00	.70	.70	.50	.60	.30	.10	6.10	100
Meadow, W2 Meadow, W3	110	.14	.35	.60	1.10	2.14	3.61	5.32	5.00	3.20	1.77 2.80	.90	.23	23.90	219
Greasewood, W1 Greasewood, W2 Salt Cedar	420 80 90	.10	.20 .20 .68	.40	.70.94	1.00	1.80	3.03 7.55 12.17	3.19 7.95 10.39	2.09	2.47	.30	.10	13.90 31.98 55.79	487 213 418
Total	1,120	.18	.31	.78	1.42	2.52	4.28	6.26	5.93	3.85	2.05	99.	.26	28.50	2,660
GRAND TOTAL	4,900	.15	.29	.79	1.57	2.88	5.10	6.62	5.40	3.23	1.71	.56	.20	28.50	11,639
					MOM	MONTHLY DOMESTIC USE,	1 3	Acre Feet							
		2	6	22	34	48	55	61	09	39	19	5	<b>⊢</b>		355

July         Aug         Sept         Oct         Nov         Dec:         Inches         Ac.           10.50         .70         .70         .60         .30         .10         6.10           10.50         8.00         7.00         4.20         2.00         .80         58.20           7.61         6.62         3.92         2.06         .62         .23         34.42           7.84         6.75         1.37         .60         .30         .10         22.05           7.64         5.50         3.09         1.57         .52         .19         24.42           7.64         5.50         3.35         1.78         .52         .19         28.88           6.36         5.60         3.35         1.78         .52         .19         28.88           6.36         5.60         3.35         1.78         .52         .19         28.88           6.36         5.60         3.35         1.78         .52         .19         28.88           6.36         5.60         3.35         1.78         .52         .19         28.88           10.50         8.04         5.06         2.80         .90         .3		••					Irrigated Ro	Irrigated Rotation	n						Annual	151
Surfaces   20   1.0   1.20   2.40   2.50   4.50   1.00   1.00   10.50   8.00   7.00   4.20   2.00   1.00   58.20     Surfaces   20   1.70   1.20   2.50   4.50   7.00   10.00   10.50   8.00   7.00   4.20   2.00   1.00   58.20     Grain	Crop	Acres:	Jan	Feb	March	April	May	June		Aug	Sept	Oct	Nov	Dec:	1	c. Ft.
Surfaces 20 770 1.00 2.50 4.50 7.00 10.00 10.50 8.00 7.00 4.20 2.00 8.82 2  Grain 1.320 .18 .35 .99 2.03 3.81 6.00 7.61 6.62 3.92 2.06 .62 .32 34.2  Grain 1.020 .10 .20 .40 .70 1.82 3.81 6.00 7.64 5.75 1.37 .60 .30 .10 22.05  Beecs 1.00 .10 .20 .40 .70 1.02 3.83 1.74 3.20 4.94 6.35 5.00 3.35 1.78 .52 .19 30.45  WW W J 20 .12 .25 .83 1.74 3.20 4.94 6.36 5.60 3.35 1.78 .52 .19 28.88  WW W J 20 .12 .25 .83 1.74 3.20 4.94 6.36 5.60 3.35 1.78 .52 .19 28.88  Solution 2.00 .10 .20 .20 .40 .70 1.00 10.00 10.30 1.77 2.00 .80 58.20  Grass, W J 20 .12 .25 .80 1.74 3.20 4.94 6.36 5.60 3.35 1.78 .52 .19 28.88  W J 30 .12 .25 .83 1.74 3.20 4.94 6.36 5.60 3.35 1.78 .52 .19 28.88  W J 30 .12 .25 .83 1.74 3.20 4.94 6.36 5.60 3.35 1.78 .52 .19 28.88  W J 30 .12 .25 .83 1.74 3.20 4.94 6.36 5.60 3.35 1.78 .52 .19 28.88  W J 30 .12 .25 .83 1.74 3.20 4.94 6.36 5.60 3.35 1.78 .52 .19 28.88  W J 30 .12 .25 .83 1.74 3.20 4.94 6.36 5.60 3.35 1.78 .52 .19 28.88  W J 30 .12 .25 .83 1.74 3.20 4.94 6.36 5.60 3.35 1.78 .52 .19 28.88  W J 10 .10 .25 .45 .45 .45 .45 .45 .45 .45 .45 .45 .4	Bare Ground	07	.10	.20	07.	.70	.80	1.00	.70	.70	.50	09°	.30	.10	6.10	20
fa Hay Grain 1,326 .18 .35 .99 2.03 3.81 6.00 7.61 6.65 3.92 2.06 .62 .23 3.4.2 Corain 14.00 .10 .20 .40 .70 1.64 8.39 7.98 6.75 1.37 .60 .30 .10 22.73 1.37 1.37 1.37 .60 .30 .10 22.73 1.37 1.37 1.37 1.37 1.37 1.37 1.37 1	Water Surfaces	20	.70	1.00	2.50	4.50	7.00	10.00	10.50	8.00	7.00	4.20	2.00	. 80	58.20	6
Graffin	Alfalfa Hay	1,320	.18	.35	66.	2.03	3.81	00.9	7.61	6.62	3.92	2.06	.62	.23	34.42	3,786
140   110   120   140   150   152   132   1894   6.75   1.37   1.60   10   27.73     150   1.0   2.0   .40   .70   1.52   3.82   7.53   4.44   .72   .30   .10   27.25     150   1.0   .20   .40   .70   1.52   3.82   7.53   7.53   4.44   .72   .30   .10   27.25     150   1.0   .20   .40   .70   1.52   3.94   6.07   7.64   5.50   3.09   1.57   .52   .19   28.88     171   2.0   .12   .25   .83   1.74   3.20   4.94   6.36   5.60   3.35   1.78   .52   .19   28.88     172   2.0   .83   1.74   3.20   4.94   6.36   5.60   3.35   1.78   .52   .19   28.88     173   1.74   3.20   4.94   6.36   5.60   3.35   1.78   .52   .19   28.88     180   .12   .25   .83   1.74   3.20   4.94   6.36   5.60   3.35   1.78   .52   .19   28.88     180   .12   .25   .83   1.74   3.20   4.94   6.36   5.60   3.35   1.78   .52   .19   28.88     180   .10   .70   1.00   2.50   4.50   7.00   10.00   10.50   8.00   7.00   4.20   2.00   3.20   1.77     180   .10   .25   .45   7.00   10.00   10.50   8.00   7.00   4.20   2.00   3.20   1.77   3.95     180   .22   .35   .95   1.74   3.40   5.71   8.43   7.92   5.06   2.80   3.90   3.7   3.85     180   .10   .20   .40   .20   .20   .20   3.20   1.70   .20	Small Grain	400	.10	.20	04.	.70	1.82	8.50	7.98	.85	.50	09.	.30	.10	22.05	735
20	Corn	140	.10	.20	04.	.70	1.04	3.23	8.94	6.75	1.37	09.	.30	.10	23.73	277
20	Sugar Beets	160	.10	.20	07.	.70	1.52	3.82	7.32	7.63	4.44	.72	.30	.10	27.25	363
20 .12 .25 .83 1.74 3.20 4.94 6.36 5.60 3.35 1.78 .52 .19 28.88  30 .12 .25 .83 1.74 3.20 4.94 6.36 5.60 3.35 1.78 .52 .19 28.88  50 .12 .25 .83 1.74 3.20 4.94 6.36 5.60 3.35 1.78 .52 .19 28.88  10 .12 .25 .83 1.74 3.20 4.94 6.36 5.60 3.35 1.78 .52 .19 28.88 1  10 .70 1.00 2.50 4.50 7.00 10.00 10.50 8.00 7.00 4.20 2.00 .80 58.20  10 .14 .22 .60 1.10 2.14 3.61 5.32 5.00 3.20 1.77 .57 .23 23.90 20  10 .10 .20 .40 7.00 1.80 3.03 3.19 2.09 .99 .30 .10 13.90 2  10 .10 .20 .40 7.70 1.00 1.80 3.03 3.19 2.09 .99 .30 .10 13.90 2  2,440 .16 .30 .77 1.54 2.11 3.51 5.18 4.97 3.25 1.70 .55 .19 29.57 6,0	Total	2,080	.16	.30	.79	1.58	3.04	6.07	7.64	5.50	3.09	1.57	.52	.19	30.45	5,278
20 .12 .25 .83						Irri	gated Non-		ropland							
30 .12 .25 .83	Meadow, W1	20	.12	.25	.83	1.74	3.20	46.4	6.36	5.60	3,35	1.78	.52	.19	28.88	84
50 .12 .25 .83	Meadow, W2	30	.12	.25	.83	1.74	3.20	46.4	6.36	5.60	3.35	1.78	.52	.19	28.88	72
10 .70 1.00 2.50 4.50 7.00 10.00 10.50 8.00 7.00 4.20 2.00 .80 58.20 10 .14 .22 .60 1.10 2.14 3.61 5.32 5.00 3.20 1.77 .57 .23 23.90 10 .14 .22 .35 .95 1.74 3.40 5.71 8.43 7.92 5.06 2.80 .90 .37 37.85 2 190 .10 .20 .40 70 1.00 1.80 3.03 3.19 2.09 .99 .30 .10 13.90 2 20 .16 .35 1.27 2.77 4.97 7.64 9.83 8.64 5.26 2.77 .79 .26 44.71 310 .16 .27 .67 1.24 2.11 3.51 5.18 4.97 3.25 1.70 .55 .21 23.82 6 2,440 .16 .30 .77 1.54 2.93 5.72 7.30 5.44 3.11 1.59 .52 .19 29.57 6,0	Total	50	.12	.25	.83	1.74	3.20	46.4	6.36	5.60	3.35	1.78	.52	.19	28.88	120
10 .70 1.00 2.50 4.50 7.00 10.00 10.50 8.00 7.00 4.20 2.00 .80 58.20 80.0 1.10 2.14 3.61 5.32 5.00 3.20 1.77 5.7 2.3 23.90 2.00 1.00 1.00 1.80 3.03 3.19 2.09 2.80 3.00 3.20 1.77 3.785 2.00 3.20 1.77 3.785 2.00 3.20 1.77 3.785 2.00 3.20 1.77 3.785 2.00 3.00 1.80 3.03 3.19 2.09 3.00 3.00 1.30 1.30 2.00 1.30 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.2					Non-Ir	1 1	on-Rotatio	45	opped Phre	atophytes						
10       .14       .22       .60       1.10       2.14       3.61       5.32       5.00       3.20       1.77       .57       .23       23.90         80       .22       .35       .95       1.74       3.40       5.71       8.43       7.92       5.06       2.80       .90       .37       37.85       23.90         190       .10       .20       .40       1.80       3.03       3.19       2.09       .99       .30       .10       13.90       2         20       .16       .35       1.27       4.97       7.64       9.83       8.64       5.26       2.77       .79       .26       44.71         310       .16       .27       .67       1.24       2.11       3.51       4.97       3.25       1.70       .55       .21       23.82       6,0         2,440       .16       .30       .77       1.54       2.93       5.72       7.30       5.44       3.11       1.59       .52       .19       29.57       6,0	Water Surfaces	10	.70	1.00	2.50	4.50	7.00	10.00	10.50	8.00	7.00	4.20	2.00	.80	58.20	87
80 .22 .35 .95 1.74 3.40 5.71 8.43 7.92 5.06 2.80 .90 .37 37.85 190 .10 .20 .40 .70 1.00 1.80 3.03 3.19 2.09 .99 .30 .10 13.90 20 .16 .35 1.27 2.77 4.97 7.64 9.83 8.64 5.26 2.77 .79 .26 44.71 310 .16 .27 .67 1.24 2.11 3.51 5.18 4.97 3.25 1.70 .55 .21 23.82 2,440 .16 .30 .77 1.54 2.93 5.72 7.30 5.44 3.11 1.59 .52 .19 29.57 6,		10	.14	.22	09.	1.10	2.14	3.61	5.32	5.00	3.20	1.77	.57	.23	23.90	20
190 .10 .20 .40 .70 1.00 1.80 3.03 3.19 2.09 .99 .30 .10 13.90 2.0 .10 .35 .25 .44.71 .35 .16 .30 .77 2.77 .79 .26 .44.71 .35 .16 .30 .77 1.54 2.93 5.72 7.30 5.44 3.11 1.59 .52 .19 29.57 6,	Salt Grass, W3	80	.22	.35	.95	1.74	3.40	5.71	8.43	7.92	90.5	2.80	06.	.37	37.85	252
20 .16 .35 1.27 2.77 4.97 7.64 9.83 8.64 5.26 2.77 .79 .26 44.71 310 .16 .27 .67 1.24 2.11 3.51 5.18 4.97 3.25 1.70 .55 .21 23.82 2,440 .16 .30 .77 1.54 2.93 5.72 7.30 5.44 3.11 1.59 .52 .19 29.57 6,		190	.10	.20	07.	.70	1.00	1.80	3.03	3.19	2.09	66.	.30	.10	13.90	220
310 .16 .27 .67 1.24 2.11 3.51 5.18 4.97 3.25 1.70 .55 .21 23.82 2,440 .16 .30 .77 1.54 2.93 5.72 7.30 5.44 3.11 1.59 .52 .19 29.57 6,	Cottonwoods & Willows	20	.16	.35	1.27	2.77	4.97	7.64	9.83	8.64	5.26	2.77	.79	.26	44.71	75
2,440 .16 .30 .77 1.54 2.93 5.72 7.30 5.44 3.11 1.59 .52 .19 29.57  MONTHLY DOMESTIC USE, Acre Feet	Total	310	.16	.27	.67	1.24	2.11	3.51	5.18	76.4	3.25	1.70	.55	.21	23.82	615
	GRAND TOTAL	2,440	.16	.30	77.	1.54	2.93	5.72	7.30	5.44	3.11	1.59	.52	.19	29.57	6,013
						MO	NTHLY DOMI		Acre Feet							
							:									

Crop						MONTHLY	USE RATE, I	Inches					••	Annual	Use
	Acres:	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec:	Inches	Ac. Ft.
						Irrigated	Rotati	no							
	0	,	c			•	1	0	0	1		C		1	1
Bare Ground	1,2/0	01.	07.	04.		1.00	0/.	1.00	1.00	0/.	00.	05.	01.	0.10	109
Water Surfaces	210	.80	1.20	2.50	4.00	7.00	00.6	10.00	8.00	7.00	4.30	2.30	06.	57.00	866
A1 folfo 112:	11 330	23	146	1 17	2 10	3 00	2 7 2	7 3%	6 44	70 &	2 06	84	31	75 78	32 612
atta may	1,000	04.		17.7	(1.7		1	100			20.1		1 0	2000	10,00
Small Grain	5,3/0	.10	.20	04.	.93	7.81	41.8	6.25	1.02	0/.	09.	.30	01.	71.33	7,044
Corn	1,590	.10	.20	07.	09.	1.12	3.49	8.72	6.31	1.34	09.	.30	.10	23.28	3,085
Sugar Beets	1,190	.10	.20	04.	09.	1.49	3.75	7.05	7.24	4.45	.76	.30	.10	26.44	2,623
Pasture	400	.17	.31	.94	1.89	3.32	4.78	6.17	5.44	3.36	1.78	.56	.24	28.96	965
Total	21,360	.18	.34	. 84	1.58	3.18	5.78	6.78	4.79	2.79	1.44	.53	.22	28.45	50,635
					Irrip	ated Non-	Rotation	Cropland							
Rare Ground	70	10	20	707	60	06	70	1.00	06	.60	09.	.30	.20	6.50	38
Water Surfaces	040	. 80	1.20	2.50	4.00 7.0	7.00	00.6	10.00	8.00	7.00	4.30	2.30	06.	57.00	190
2	0	17	21	Š	00 1	2 22	1	6 17	777	72 2	1	7	27	28 96	1 056
Grass,		17.	10.	10.	1.09	3.34	1.10	/T.O	1.	00.0	1.70	0.0	4 0	20.00	1,000
Salt Grass, W2	2,530	.17	.31	76.	1.89	3.32		6.17	5.44	3.36	`.	.56	47.	78.96	6,100
Total	3,450	.18	.32	.95	1.89	3.31	4.75	6.11	5.38	3.34	1.78	.57	.25	28.83	8,289
				Non-Irrig	ated	Non-Rotation	on & Non-Cropped	1 [	Phreatophytes						
Bare Ground	30	.10	.20	04°	09.	06.	.70	1.00	06.	09.	09.	.30	.20	6.50	16
Water Surfaces	310	.80	1.20	2.50	4.00	7.00	00.6	10.00	8.00	7.00	4.30	2.30	06.	57.00	1,473
		•	0		ò		,,	0.00	100	C	1	67		20 00	-
	840	61.	67.	0 0	1.24	77.7	3.44	5.13	1 15	3.20	1.1.	70.	15.	43.90	1/017
Sait Grass, W3	180	.31	04.	1.0/	1.96	3.54	74.0	8.12	7/1/	70.0	7.80	. 70	, 1	31.94	767
Greasewood, W1	140	90.	60.	.21	.42	.77	1.73	2.94	3.10	2.10	66.	.26	80.	12.75	149
Greasewood, W2	180	.14	.21	.53	1.04	1.92	4.32	7.33	7.72	5.23	2.47	.65	.20	31.76	476
	s 70	.23	777	1.44	3.05	5.24	7.36	9.51	8.43	5.27	2.77	.87	,32	44.93	262
Total	1,750	.30	.45	1.02	1.78	3.15	69.4	97.9	5.94	4.22	2.35	.93	04.	31.69	4,622
GRAND TOTAL	26,560	.19	.34	.87	1.63	3.20	5.57	6.67	76.4	2.96	1.54	.56	. 24	28.71	63,546
					MOI	VTHLY DOM	MONTHLY DOMESTIC USE,	Acre Feet							
		12	78	111	170	240	279	308	303	195	6	27	7		1.790

Feb   March April   May June July Aug Sept Oct   Nov Dade :Inches April   May June July   Aug Sept   Oct   Nov   Dade :Inches April   May   Sept   Oct   Nov   Dade :Inches April   May   Sept   Oct		.1				MONT	MONTHLY USE RA	RATE, Inches							:Annual	Use
Greund  4.0 1.0 2.0 4.0 1.20 2.30 4.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	cop	Acres:	Jan	Feb	March	April		June	July	Aug	Sept	Oct	Nov	Dec	: Inches	Ac. Ft.
Surfaces   10						IL	- 1	otation								
State   Stat	ire Ground	04	.10	.20	04.	09.	1.00	.70	1.00	1.00	.70	09.	.30	.10	6.70	22
Checkin   10   10   10   10   10   10   10   1	ater Surfaces	10	. 80	1.20	2.50	4.00	7.00	00.6	10.00	8.00	7.00	4.30	2.30	06.	57.00	48
Cheenin   360   110   120   20   40   60   112   3   49   8   75   1   102   170   60   130   10   21.55	falfa Hay	750	.23	77.	1.17	2.19	3.99	5.75	7.34	6.44	3.94	2.06	. 68	.31	34.54	2,159
Peets   10	nall Grain	360	.10	.20	04.	.93	2.81	8.14	6.25	1.02	.70	09.	.30	.10	21,55	647
1,370   18   34   1.89   1.49   3.75   7.54   4.45   7.24   4.45   7.24   4.45   7.24   4.45   7.24   4.45   7.24   7.2	rn	100	.10	.20	04.	09.	1.12	3.49	8.72	6.31	1.34	09.	.30	.10	23.28	194
The country of the color of the	gar Beets	80	.10	.20	04.	09	1.49	3.75	7.05	7.24	4.45	.76	.30	.10	26.44	176
1,370   18   .34   .85   1.61   3.25   5.95   6.95   4.88   2.84   1.46   .53   .22   29.06	sture	30	.17	.31	76.	1:89	3.32	4.78	6.17	5.44	3.36	1.78	.56	.24	28.96	72
10   10   10   12   2.40   4.00   7.00   9.00   1.00   8.00   7.00   4.30   2.30   9.0   57.00     10   10   12   2.50   4.00   7.00   9.00   10.00   8.00   7.00   4.30   2.30   9.0   57.00     10   10   12   2.50   4.00   7.00   9.00   10.00   8.00   7.00   4.30   2.30   9.0   57.00     10   10   12   2.50   4.00   7.00   9.00   10.00   8.00   7.00   4.30   2.30   9.0   57.00     11   150   11   12   2.90   1.89   3.32   4.78   6.17   5.44   3.36   1.78   5.6   24   28.96     12   12   12   2.50   4.00   7.00   9.00   10.00   8.00   7.00   4.30   2.30   9.00     12   2.50   4.00   7.00   9.00   10.00   8.00   7.00   4.30   2.30   9.00     12   2.50   4.00   7.00   9.00   10.00   8.00   7.00   4.30   2.30   9.00     13   2.40   2.50   4.00   7.00   9.00   10.00   8.00   7.00   4.30   2.30   9.00     14   2.50   2.50   4.00   7.00   9.00   10.00   8.00   7.00   9.00   9.00     15   2.50   2.50   4.00   7.00   9.00   10.00   8.00   7.00   9.00   9.00     15   2.50   2.50   4.00   7.00   9.00   10.00   8.00   7.00   9.00   9.00     15   2.50   2.50   4.00   7.00   9.00   10.00   8.00   7.00   9.00   9.00     15   2.50   2.50   4.00   7.00   9.00   10.00   8.00   7.00   9.00   9.00     15   2.50   2.50   4.00   7.00   9.00   10.00   8.00   7.00   9.00   9.00     15   2.50   2.50   2.50   2.50   2.50   2.50   2.50   2.50     16   2.50   2.50   2.50   2.50   2.50   2.50   2.50   2.50     17   2.50   2.50   2.50   2.50   2.50   2.50   2.50     18   3.35   3.35   3.35   3.35   3.35   3.35   3.35   3.35   3.35   3.35   3.35     18   2.50   2.50   2.50   2.50   2.50   2.50   2.50     18   3.35   3.30   7.35   6.56   4.25   2.32   8.00   3.00   3.00     19   2.50   2.50   2.50   2.50   2.50   2.50   2.50   2.50     10   2.50   2.50   2.50   2.50   2.50   2.50   2.50     11   2.50   2.50   2.50   2.50   2.50   2.50   2.50   2.50   2.50     12   2.50   2.50   2.50   2.50   2.50   2.50   2.50   2.50   2.50     13   2.50   2.50   2.50   2.50   2.50   2.50   2.50   2.50   2.50     15   2.50   2.50   2.50   2.50   2.50   2.50	tal	1,370	.18	.34	.85	1.61	3.25	5.95	6.95		2.84	1.46	.53	.22	29.06	3,318
10 1.0 1.0 2.0 4.0 1.00 1.00 1.00 1.00 1.00 1.00 1.0						Irrigated			put							
10 .80 1.20 2.50 4.00 7.00 9.00 10.00 8.00 7.00 4.30 2.30 9.0 57.00  1150 1.17 .31 .94 1.89 3.32 4.78 6.17 5.44 3.36 1.78 5.56 2.4 28.96  630 1.18 .32 .96 1.90 3.34 4.78 6.17 5.44 3.36 1.78 5.56 2.4 28.96  120 .10 .20 .40 .60 .90 .70 1.00 .90 .60 .60 .60 .90 .70 .70 .70 .70 .70 .70 .70 .70 .70 .7	re Ground	10	.10	.20	04.	09	1.00	.70	1.00	1.00	.70	09	.30	10	6.70	9
WILL 150 .17 .31 .94 1.89 3.32 4,78 6.17 5.44 3.36 1.78 .56 .24 28.96 WILL 150 .17 .31 .94 1.89 3.32 4.78 6.17 5.44 3.36 1.78 .56 .24 28.96 WILL 250 .32 .96 1.90 3.34 4.78 6.15 5.41 3.38 1.80 .58 .25 29.05 WILL 250 .30 .30 4.00 7.00 9.00 10.00 8.00 7.00 4.30 2.30 .90 57.00 WILL 240 .06 .90 7.00 10.00 8.00 7.00 4.30 2.30 .90 57.00 WILL 240 .06 .09 .31 .46 1.07 1.96 3.52 5.44 8.12 7.72 5.07 2.80 9.8 7.90 7.72 8.00 7.00 4.30 7.30 7.30 7.30 7.30 7.30 7.30 7.30 7	ter Surface	10	.80	1.20		4.00	7.00	00.6	10.00	8.00	7.00	4.30	2.30	06.	57.00	47
#2 460 .17 31 .94 1.89 3.32 4.78 6.17 5.44 3.36 1.78 .56 .24 28.96  630 .18 .32 .96 1.90 3.34 4.78 6.15 5.41 3.38 1.80 .58 .25 29.05  Non-Irrigated Non-Rotation & Non-Cropped Phreatophytes  120 .10 .20 .40 .60 .90 .70 1.00 .90 .60 .60 .90 .60 .60 .60 .90 .700 .90 .90 .90 .90 .90 .90 .90 .90 .90 .	1t Grass W1	150	17	31	76	1 89	3 32	78	6 17	777 5	3 36	1 78	3,6	3/4	28 96	362
630 .18 .32 .96 1.90 3.34 4.78 6.15 5.41 3.38 1.80 .58 .25 29.05  Non-Irrigated Non-Rotation & Non-Cropped Phreatophytes  120 .10 .20 .40 .60 .90 .70 1.00 8.00 7.00 4.30 2.30 9.57.00  W2 150 .19 .29 .68 1.24 2.22 3.44 5.13 4.87 3.20 1.77 6.2 3.30 9.9 57.00  W3 3,830 .31 .46 1.07 1.96 3.52 5.44 8.12 7.72 5.07 2.80 9.8 12.75  W4 2 240 .06 .09 .21 .42 .77 1.73 2.94 3.10 2.10 9.9 .26 .08 12.75  W4 2 240 .06 .09 .21 .42 .77 1.77 1.72 5.03 9.9 .26 .08 12.75  W4 2 240 .06 .09 .21 .88 3.36 5.17 7.64 7.24 4.81 2.66 .95 .47 35.96  Consideration & MONTHLY DOMESTIC USE, Acte Feet	It Grass, W2	760	.17	.31	76.	1.89	3.32	4.78	6.17	5.44	3.36	1.78	.56	. 24	28.96	1,110
Non-Irrigated Non-Rotation & Non-Cropped Phreatophytes  120	tal	630	.18	.32	96.		3.34	4.78	6.15	5.41		1.80	.58	.25	29.05	1,525
Ces . 120 . 180 . 1.20 . 2.40 . 6.60 . 9.90 . 7.00 1.000 8.00 7.00 4.30 2.30 . 2.90 6.50  W2 150 . 19 . 29 . 68 1. 1.24 2.22 3.44 5.13 4.87 3.20 1.77 6.2 3.80 37.94  W3 3,830 . 31 . 46 1.07 1.96 3.52 5.44 8.12 7.72 5.07 2.80 9.98 12.75  W4 2 240 . 06 . 0.9 . 21					Non-Irrigal		ত	Non-Cropped		ytes						
W2 150 .80 1.20 2.50 4.00 7.00 9.00 10.00 8.00 7.00 4.30 2.30 9.00 57.00 W2 3,830 .31 .46 1.07 1.96 3.52 3.44 5.13 4.87 3.20 1.77 6.62 3.96 37.94 W1 240 .06 .09 .21 .42 .77 1.73 2.94 3.10 2.10 .99 .26 .08 12.75 W2 2.0 .14 .21 .53 1.04 1.92 4.32 7.33 7.72 5.23 2.47 6.5 .20 31.76 4.450 .30 .45 1.03 1.88 3.36 5.17 7.64 7.24 4.81 2.66 .95 .47 35.96 6.450 .26 .41 .99 1.83 3.33 5.30 7.35 6.56 4.25 2.32 8.82 .40 33.82	re Ground	06	.10	.20	04.	09.	06.	.70	1.00	06	09.	09	30	.20	6.50	67
W2 150 .19 .29 .68 1.24 2.22 3.44 5.13 4.87 3.20 1.77 .62 .31 23.96 W3 3,830 .31 .46 1.07 1.96 3.52 5.44 8.12 7.72 5.07 2.80 .98 .49 37.94 W1 240 .06 .09 .21 .42 .77 1.73 2.94 3.10 2.10 .99 .26 .08 12.75 W2 2.0 .14 .21 .53 1.04 1.92 4.32 7.33 7.72 5.23 2.47 .65 .20 31.76 W4 4,450 .30 .45 1.03 1.88 3.36 5.17 7.64 7.24 4.81 2.66 .95 .47 35.96 C,450 .26 .41 .99 1.83 3.33 5.30 7.35 6.56 4.25 2.32 .82 .40 33.82		120	.80	1.20	2.50	4.00	7.00	00.6	10.00	8.00	7.00	4.30	2.30	06.	57.00	570
W1 240 .06 .09 .21 .42 .77 1.73 2.94 3.10 2.10 .99 .26 .08 12.75 W2 20 .14 .21 .53 1.04 1.92 4.32 7.33 7.72 5.23 2.47 6.55 .20 31.76 W4 450 .30 .45 1.03 1.88 3.36 5.17 7.64 7.24 4.81 2.66 .95 .47 35.96  6,450 .26 .41 .99 1.83 3.33 5.30 7.35 6.56 4.25 2.32 .82 .40 33.82		150	.19	.29	.68	1.24	2.22	3.44	5.13	4.87	3.20	1.77	.62	.31	23.96	300
W1 240 .06 .09 .21 .42 .77 1.73 2.94 3.10 2.10 .99 .26 .08 12.75 W2 20 .14 .21 .33 1.76 5.23 2.47 .65 .20 31.76		3,830	.31	97.	1.07	1.96	3.52	5.44	8.12	7.72	5.07	2.80	86.	64.	37.94	12,109
W2 20 .14 .21 .53 1.04 1.92 4.32 7.33 7.72 5.23 2.47 .65 .20 31.76 4.450 .30 .45 1.03 1.88 3.36 5.17 7.64 7.24 4.81 2.66 .95 .47 35.96 1 65,450 .26 .41 .99 1.83 3.33 5.30 7.35 6.56 4.25 2.32 .82 .40 33.82 1 MONTHLY DOWESTIC USE, Acre Feet		240	90°	60°	.21	.42	77.	1.73	2.94	3.10	2.10	66.	.26	.08	12.75	255
6,450 .30 .45 1.03 1.88 3.36 5.17 7.64 7.24 4.81 2.66 .95 .47 35.96 1  6,450 .26 .41 .99 1.83 3.33 5.30 7.35 6.56 4.25 2.32 .82 .40 33.82 1  MONTHLY DOWESTIC USE, Acre Feet		20	.14	.21	.53	1.04	1.92	4.32	7.33	7.72	5.23	2.47	.65	.20	31.76	53
6,450 .26 .41 .99 1.83 3.33 5.30 7.35 6.56 4.25 2.32 .82 .40 33.82 1  MONTHLY DOMESTIC USE, Acre Feet	tal	4,450	.30	.45	1.03		3.36	5.17	7.64	7.24		2.66	.95	.47	35.96	13,336
MONTHLY DOMESTIC USE, Acre Feet 7 17 27 38 74 7,8 7,7 31 17 7, 7	AND TOTAL	6,450	.26	.41	66.	1.83	3.33	5.30	7.35			2.32	. 82	07.	33.82	18,179
7, 11, 12, 17, 18, 18, 17, 17, 17, 17, 17, 17, 17, 17, 17, 17						MONTHLY		USE,	Feet							
7 7 7 7 7			2	7	17	27	38	77	87	47	33	14	~	-		000

TABLE 25	25 Potential		consumptive	use,	Wa	tershed D	D-3, Gle	Glenwood,	Sevier	r River	Basin				
						MONTHLY U	USE RATE, I	Inches						ANNUAL USE	L USE
CROP	Acres:	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec :	Inches	Ac. Ft.
						Irrigated	ed Rotation	nc							
Bare Ground	80	.10	.20	04.	09.	1.00	.70	1.00	1.00	.70	09.	.30	.10	6.70	45
A16-16- How	0.5.1	23	777	1 17	2 19	3	5 75	78 2	77 9	70 8	2 06	α	18	75 78	627
Cmoll Crain	077	07.		77.7	603	2.0	21.0	6 25	1.00	7.0	09:1			21.55	126
Corn	0,0	10	200	017	. 09	1 12	3 49	8 72	6.31	1 34	09:	06.	10	23.22	30
Sugar Beets	20	100	.20	07.	09.	1.49	3.75	7.05	7.24	4.45	. 76	.30	.10	26.44	77
Pasture	10	.17	.31	.94	1.89	3.32	4.78	6.17	5.44	3.36	1.78	.56	.24	28.96	24
Tota1	350	.16	.31	.75	1.38	2.74	4.80	5.70	4.12	2.42	1.27	.47	.19	24.31	710
					Irris	sated Non-	Irrigated Non-Rotation Cropland	Cropland							
Salt Grass, W2	80	.17	.31	76.	1.89	3.32	4.78	6.17	5.44	3.36	1.78	.56	.24	28.96	193
Total	80	.17	,31	76.	1.89	3,32	4.78	6.17	5.44	3.36	1.78	.56	.24	28.96	193
				Non-Irriga	ted	Non-Rotation	8	Non-Cropped Phreatophytes	atophytes						
Salt Grass, W2	30	.19	.29	.68	1.24	2.22	3,44	5.13	4.87	3.20	1.77	.62	.31	23.96	09
Salt Grass, W3	210	.31	97.	1.07	1.96	3.52	5.44	8.12	7.72	5.07	2.80	86.	64.	37.94	799
Total	240	.29	.43	1.02	1.87	3,36	5.19	7.75	7.36	4.84	2.67	.93	.47	36.19	724
GRAND TOTAL	670	.21	.36	.87	1.62	3.03	76.4	6,49	5.44	3.40	1.83	79.	.29	29.12	1,627
					MOI	MONTHLY DOME	DOMESTIC USE,	Acre Feet							
			0	7	œ	α	σ	. 01	10	7	٣	-			09
			*					24	2			1			

1	TOT-INCHITAT		corra minbrava	ים מפעי	אם רכד סוונת	- 1:	011 6+-0	יוני סב עוו	attace will be to the	3) 000				Annua	IIse
						긔	USE KAIE, Inches	ncnes			1	Mann		1	AC FF.
Crop	Acres:	Jan	Feb	March	April	May	June ed Rotation	July	Aug	Sept	UCE	NOV	nec.	THETIES	
Bare Ground Water Surfaces	670	.10	.20	2.50	.60	1.00	00.6	1.00	1.00	.70	.60	.30	.10	6.70	374 522
10.10	C L C			1				c	77.7	ć	30 0	8	2,	75 72	17 990
Alfalfa hay	0,250	. 23	<b>5</b> 5.	1.1/	2.19	3.99	0.70	7.34	4.0	3.34	2.00		1 0	21.55	5 316
Small Grain	7,960	01.	07.	04.	.93	79.7	8.14	0.40	1.02	0/.	00.	000	0 7 .	23 20	1,500
Corn	870	.10	.20	04°	09.	1.12	3.49	8.72	6.31	1.34	09.	.30	01.	23.50	1,000
Sugar Beets Pasture	660	.10	.31	.94	.60	1.49	3.75	7.05	7.24	3.36	1.78	.56	. 24	28.96	531
Total	11,740	.18	.34	. 84	1.59	3.18	5.80	6.79	4.79	2.79	1.44	.53	.22	28.49	27,875
					Irri	Irrigated Non-Rotation	Rotation (	Cropland							
Bare Ground	10	.10	.20	04°	09.	1.00	.70	1.00	1.00	.70	09.	.30	.10	6.70	5
Meadow, W1	190	.17	.31	76.	1.89	3.32	4.78	6.17	5.44	3.36	1.78	.56	.24	28.96	657
Meadow, W2	190	.17	.31	46.	1.89	3.32	4.78	6.17	5.44	3.36	1.78	.56	.24	28.96	459
Total	390	.17	.31	. 93	1.86	3.26	4.67	90.9	5.32	3.29	1.75	.55	.24	28.39	923
				Non-Irri	gated	Non-Rotation	8	Non-Cropped Phre	Phreatophytes						
Bare Ground	30	.10	.20	07.	09.	1.00	.70	1.00	1.00	.70	09.	.30	.10	6.70	17
Water Surfaces	20	.80	1.20	2.50	4.00	7.00	00.6	10.00	8.00	7.00	4.30	2.30	06.	57.00	95
Salt Grass, W2	09	.19	.29	.68	1.24	2.22	3.44	5.13	4.87	3.20	1.77	.62	.31	23.96	120
Salt Grass, W3	160	.31	97.	1.07	1.96	3.52	5.44	8.12	7.72	2.07	2.80	86.	64.	37.94	206
Greasewood, W1	1,070	90°	60°	.21	.42	.77	1.73	2.94	3.10	2.10	66.	.26	80.	12.75	1,137
Cottonwoods & Willows	- 1	.23	77.	1.44	3.05	5.24	7.36	9.51	8.43	5.27	2.77	.87	.32	44.93	898
Total	1,580	.13	.20	.53	1.05	1.86	3.10	4.60	4.47	2.96	1.51	.47	.18	21.06	2,773
GRAND TOTAL	13,710	.17	.32	.81	1.53	3.03	5.46	6.52	4.77	2.82	1.46	.52	.22	27.63	31,571
					MOI	MONTHLY DOMESTIC	STIC USE,	Acre Feet							
		00	32	73	112	158	184	203	200	129	61	18	2		1180
			}												

						MONTHLY USE	USE RATE, I	Inches	MONTHLY USE RATE, Inches				• •	Annual	Use
Crop	Acres :	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec:	Inches	Ac. Ft.
						Irrigated	ed Rotation	מו							
Bare Ground	20	.10	.20	07.	09.	1.00	.70	1.00	1.00	.70	09.	.30	.10	6.70	11
Water Surfaces	10	.80	1.20	2.50	4.00	7.00	00.6	10.00	8.00	7.00	4.30	2.30	06.	57.00	78
Alfalfa Hay	430	.23	77.	1.17	2.19	3.99	5.75	7.34	77.9	3.94	2.06	89.	,31	34.54	1,238
Small Grain	200	.10	.20	04.	.93	2.81	8.14	6.25	1.02	.70	09.	.30	.10	21.55	359
Corn	09	.10	.20	04.	09.	1.12	3.49	8.72	6.31	1.34	09.	.30	01.	23.28	116
Sugar Beets	50	.10	.20	04.	09.	1.49	3.75	7.05	7.24	4.45	.76	.30	.10	26.44	110
Pasture	10	.17	.31	.94	1.89	3.32	4.78	6.17	5.44	3.36	1.78	.56	.24	28.96	24
Total	780	.18	.35	98.	1.62	3.26	96°5	7.00	96.4	2.89	1.48	.54	.23	29.33	1,906
					Irrig	gated Non-	Irrigated Non-Rotation Cropland	ropland							
						Z	O N E								
				Non-II	Non-Irrigated Non-Rotation	on-Rotatio	on & Non-Cropped		Phreatophytes						
Cottonwoods & Willows	190	.23	777	1.44	3.05	5.24	7.36	9.51	8.43	5.27	2.77	.87	.32	44.93	711
Total	190	.23	77.	1.44	3.05	5.24	7.36	9.51	8.43	5.27	2.77	.87	.32	44.93	711
GRAND TOTAL	970	.19	.37	76.	1.90	3.65	6.23	7.49	5.64	3.36	1.73	09.	.25	32.38	2,617
					MON	MONTHLY DOMESTIC USE,	1 )	Inches							
						Z	O N E								

TABLE 28 Potential	entia		consumptive	ve use,		Watershed I	D-6, Ma	Manning (	Creek,	Sevier	River	Basin			
						MONTHLY U	USE RATE, 1	Inches						Annual	Use
Crop	Acres :	Jan	Feb	March	April	May		July	Aug	Sept	Oct	Nov	Dec:	Inches	Ac. Ft.
						Irrigated	ed Rotation	n							
Alfalfa Hav	300	.21	.38	96	2.03	3.70	5.84	7.07	6.22	3,83	2.07	69.	.26	33.25	831
Small Grain	80	.10	.20	04.	. 50	1.58	8.05	7.78	1.18	.80	09.	.50	.20	21.89	16
Corn	20	.10	.20	07.	09.	.95	3.05	8.07	6.55	1.72	09.	.50	.20	22,94	30
Potatoes	10	.10	.20	.40	09.	1.05	3.37	7.21	6.92	.80	09.	.50	.20	21.95	18
Total	410	.18	.33	.80	1.63	3.09	6.07	7.26	5.27	3.06	1.68	79.	.24	30.25	1,033
					Irri	Irrigated Non-Rotation	Rotation (	Cropland							
Bare Ground	10	.10	.20	04.	09.	.80	09.	06°	1.10	.80	09.	.50	.20	6.80	9
Water Surface	10	.80	1.20	2.50	7.00	7.00	8.00	10.00	8.00	6.50	4.30	3.00	1.00	56.30	47
Salt Grass, W1	280	.15	.28	. 79	1.74	3.10	4.87	5.93	5.24	3.27	1.84	.56	.20	27.97	653
Salt Grass, W2	360	.15	.28	.79	1.74	3.10	4.87	5.93	5.24	3.27	1.84	.56	.20	27.97	839
Total	099	.16	.29	. 81	1.76	3.12	4.85	5.92	5.22	3.28	1.86	09.	.21	28.08	1,545
				Non-Ir	rigated	Non-Rotation	8	Non-Cropped Phr	Phreatophytes						
Water Surfaces	10	. 80	1.20	2.50	7.00	7.00	8.00	10.00	8.00	6.50	4.30	3.00	1.00	56.30	47
Salt Grass, W2	120	.16	.26	.57	1.10	2.07	3.51	4.88	4.67	3.09	1.81	.62	.25	22.99	230
Salt Grass, W3	280	.25	.41	06.	1.74	3.28	5.55	7.73	7.39	68.4	2.86	.98	07.	36.38	846
Cottonwoods & Willows	09	.19	.38	1.20	2.77	48.4	7.46	9.14	8.12	5.16	2.83	98.	.28	43.23	216
Total	470	.23	.38	68°	1.76	3.2.5	5.32	7.23	6.80	4.50	2.62	.92	.36	34.26	1,342
GRAND TOTAL	1,540	.19	.33	.83	1.72	3.15	5.32	6.68	5.72	3.59	2.04	.71	.26	30.54	3,920
					MO	MONTHLY DOMESTIC	STIC USE,	Acre Feet							
			0	ď	α	=	12	14	71	σ	7	-			C O
			1				1		4			-			00

Column   C	TABLE 29	29 Potential	consi	consumptive	use,	Waters	atershed D-7	•	Marysvale,	Sevier	: River	Basin				
Acresi   Jan   Rech   April   March   March		!							Inches					••	Annual	
1,800   1.0   1.20   3.60   3.00	Crop	Acres:	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov		П	C. F
1,800   1.20   2.50   4.00   7.80   8.00   1.00   8.00   1.10   8.00   4.00   7.00   8.00   1.00   8.00   4.00   7.00   8.00   1.00   8.00   4.00   7.00   8.00   1.00   8.00   4.00   7.00   8.00   4.00   7.00   8.00   4.00   8.00   4.00   7.00   8.00   4.00   4.00   7.00   4.00   4.00   7.00   4.00   4.00   4.00   7.00   4.00							Irrigate	1	ion							
1.80   1.20   2.50   4.00   7.00   8.00   10.00   8.00   6.50   4.30   3.00   1.00   56.30     1.80   1.2   3.8   9.5   2.03   3.05   8.05   10.00   8.00   6.50   6.50   3.00   1.00   56.30     1.80   1.10   2.2   3.40   5.6   1.58   8.05   1.77   6.52   1.72   5.60   5.0   5.0   2.2   4.9     1.20   1.10   2.2   3.40   5.6   1.58   8.05   7.78   1.18   3.01   6.52   1.72   5.00   5.0   5.0   2.2   4.9     1.20   1.10   2.2   3.40   5.6   1.05   3.37   7.21   6.92   1.80   5.0   5.0   5.0   2.2   9.4     1.20   1.10   2.2   3.40   5.6   1.05   3.37   7.21   6.92   1.80   5.0   5.0   5.0     1.20   1.20   3.40   5.6   1.05   3.37   7.21   6.92   1.80   5.0   5.0   5.0     1.20   1.20   3.00   1.6   3.00   4.77   5.90   5.10   3.01   1.6   5.0   5.0   5.2   5.2     1.20   1.20   3.2   3.70   3.10   4.77   5.90   5.20   3.27   1.80   3.6   3.0   3.0     1.20   1.20   3.2   3.2   3.2   3.2   4.2   3.2   3.2   3.2   3.2   3.2     1.20   1.20   3.2   3.2   3.2   3.2   3.2   3.2   3.2   3.2   3.2     1.20   1.20   3.2   3.2   3.2   3.2   3.2   3.2   3.2   3.2   3.2     1.20   1.20   3.2   3.2   3.2   3.2   3.2   3.2   3.2   3.2   3.2     1.20   1.20   3.2   3.2   3.2   3.2   3.2   3.2   3.2   3.2     1.20   3.20   3.2   3.2   3.2   3.2   3.2   3.2   3.2     1.20   3.20   3.2   3.2   3.2   3.2   3.2   3.2   3.2     1.20   3.20   3.2   3.2   3.2   3.2   3.2   3.2     1.20   3.20   3.2   3.2   3.2   3.2   3.2   3.2     1.20   3.20   3.2   3.2   3.2   3.2   3.2   3.2     1.20   3.20   3.2   3.2   3.2   3.2   3.2   3.2   3.2     1.20   3.20   3.2   3.2   3.2   3.2   3.2   3.2     1.20   3.20   3.2   3.2   3.2   3.2   3.2   3.2   3.2     1.20   3.20   3.2   3.2   3.2   3.2   3.2   3.2     1.20   3.20   3.2   3.2   3.2   3.2   3.2   3.2   3.2     1.20   3.20   3.20   3.2   3.2   3.2   3.2   3.2   3.2     1.20   3.20   3.20   3.2   3.2   3.2   3.2   3.2     1.20   3.20   3.20   3.20   3.2   3.2   3.2   3.2   3.2     1.20   3.20   3.20   3.20   3.20   3.20   3.20   3.20   3.20   3.20   3.20   3.20   3.20   3.20   3.20   3.20	Bare Ground	80	.10	.20	04.	09.	. 80	09.	06.	1.10	.80	09.	. 50	. 20	6.80	57
1,800 1.12 1.38 1.95 2.03 3.70 5.84 7.07 6.22 3.83 2.07 1.69 1.26 33.25 47.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	Water Surfaces	20	.80	1.20	2.50	4.00	7.00	8.00	10.00	8.00	6.50	4.30	3.00	1.00	56.30	76
Grain 120 10 20 40 50 158 80 778 1.18 80 60 50 20 2294  80 10 120 40 60 195 3.05 778 1.18 80 60 50 20 294  80 10 120 20 40 60 1.58 80 7.08 5.19 3.01 1.66 .55 1.25 29.69  80 10 120 2.20 4.40 60 1.65 1.05 3.07 7.21 6.92 1.80 6.00 50 20 20 294  80 10 10 10 20 40 60 1.61 3.04 5.89 7.08 5.19 3.01 1.66 .65 2.5 29.69  80 10 10 10 20 40 1.61 3.04 5.89 7.08 5.19 3.01 1.66 .65 2.5 29.69  80 10 10 10 10 20 40 1.04 1.04 1.00 1.00 1.00 1.00 1.00	Alfalfa Hay	1,800	.12	.38	.95	2.03	3.70	5.84	7.07	6.22	3.83	2.07	69.	.26	33.25	4,988
120   120   120   120   120   140   150   150   13.05   13.05   17.05   1.72   1.72   1.72   1.72   1.80   1.95   1.72   1.80	Small Grain	470	.10	.20	04.	.50	1.58	8.05	7.78	1.18	.80	09.	.50	.20	21.89	857
Cround   10   1.0   20   4.0   1.05   3.37   7.21   6.92   80   80   1.05   5.99   7.08   5.19   3.01   1.66   5.0   5.0   21.95	Corn	120	.10	.20	04.	09.	.95	3.05	8.07	6.55	1.72	. 60	.50	.20	22.94	229
Cround   10   1.0   2.0   3.0   1.6   3.04   5.89   7.08   5.19   3.01   1.66   5.65   25 29.69   6.80   3.40   3.60	Potatoes	80	.10	.20	07.	09.	1.05	3.37	7.21	6.92	. 80	.60	. 50	.20	21.95	146
Ground         10         60         60         60         90         110         10         10         10         10         10         4.87         5.93         5.24         3.27         1.84         5.6         20         27.97         1           w, WI         60         .15         .28         .79         1.74         3.10         4.87         5.93         5.24         3.27         1.84         5.6         20         27.97         1           cround         .00         .15         .28         .78         1.72         3.07         4.81         5.86         5.18         3.24         1.84         5.6         20         27.97         1           cround         .00         .15         .20         .40         .60         .80         .60         .90         .60         .80         .60         .80         .60         .80         .60         .80         .60         .80         .60         <	Total	2,570	.18	.33	.80	1.61	3.04	5.89	7.08	5.19		1.66	.65	.25		•
Ground 10 .10 .20 .40 .60 .60 .60 .90 .1.10 .80 .60 .90 .90 .1.10 .80 .60 .90 .90 .1.10 .80 .60 .90 .90 .1.10 .80 .90 .90 .90 .90 .90 .90 .90 .90 .90 .9						Irri		otation								
TOTAL 4,980 1.5 1.8 1.8 1.7 1.7 1.8 1.0 4.87 5.93 5.24 3.27 1.84 5.5 1.8 1.84 1.56 1.50 27.97 1.84 1.84 1.85 1.8 1.84 1.85 1.85 1.8 1.85 1.8 1.85 1.85 1.85 1	Bare Ground	10	.10	.20	04°	09.	.80	09.	06.	1.10	.80	.60	. 50	.20		9
Cround   Cartails	Meadow, W1	70	.15	.28	.79	1.74	3.10	4.87	5.93	5.24	3.27	1.84	.56	.20	27.97	163
TOOM 15 .28 .28 .78 1.72 3.07 4.81 5.86 5.18 3.24 1.82 .56 .20 27.67 1    Non-Irrigated Non-Rotation and Non-Cropped Phreatophytes   1.82		620	.15	.28	.79	1.74	3.10	4.87	5.93	5.24	3.27	1.84	.56	.20	27.97	7
Ground Solutions   Non-Trrigated Non-Rotation and Non-Cropped Phreatophytes   Solution   Solution	Total	700	.15	.28	.78	1.72	3.07	4.81	5.86	5.18			.56	.20	4	
20					Non-I	igated	on-Rotation	and	1 1	eatophytes						
50 .80 1.20 2.50 4.00 7.00 8.00 10.00 8.00 6.50 4.30 3.00 1.00 56.30  200 .16 .26 .57 1.10 2.07 3.51 4.88 4.67 3.09 1.81 .62 .25 22.99  780 .25 .41 .90 1.74 3.28 5.55 7.73 7.39 4.89 2.86 .98 .40 36.38 2  110 .04 .07 .18 .38 .71 1.78 2.81 2.99 2.04 1.03 .25 .06 12.34  160 .52 .85 1.95 2.77 4.84 7.46 9.14 8.12 5.16 2.83 .86 .28 43.23 1  150 .52 .49 1.08 2.20 3.94 6.28 8.21 7.52 4.93 2.84 1.00 .38 39.08 5  4,980 .20 .36 .89 1.83 3.35 5.87 7.30 5.99 3.70 2.09 .76 .29 32.63 13	Bare Ground	20	.10	.20	04.	09.	.80	09.	06.	1.10	.80	09.	.50	.20	6.80	11
200 .16 .26 .25 .71 1.10 2.07 3.51 4.88 4.67 3.09 1.81 .62 .25 22.99 780 .25 .41 .90 1.74 3.28 5.55 7.73 7.39 4.89 2.86 .98 .40 36.38 2 110ws 490 .19 .38 1.20 2.77 4.84 7.46 9.14 812 5.16 2.83 .86 .28 43.23 1 14,710 .26 .44 1.08 2.20 3.94 6.28 8.21 7.52 4.93 2.84 1.00 .38 39.08 5 4,980 .20 .36 .89 1.83 3.35 5.87 7.30 5.99 3.70 2.09 7.76 7.29 32.63 13	Water Surfaces	50	.80	1.20	2.50	7.00	7.00	8.00	10.00	8.00	6.50	4.30	3.00	1.00	56,30	235
780 .25 .41 .90 1.74 3.28 5.55 7.73 7.39 4.89 2.86 .98 .40 36.38 2  110ws 490 .19 .38 1.20 2.77 4.84 7.46 9.14 8.12 5.99 2.04 1.03 .25 .06 12.34 160 .52 .85 1.95 3.77 6.42 10.12 12.57 10.81 6.90 4.03 1.45 .60.02 1,710 .26 .44 1.08 2.20 3.94 6.28 8.21 7.52 4.93 2.84 1.00 .38 39.08 5  4,980 .20 .36 .89 1.83 3.35 5.87 7.30 5.99 3.70 2.09 .76 .29 32.63 13	Salt Grass, W2	200	.16	.26	.57	1.10	2.07	3.51	4.88	4.67	3.09	1.81	.62	.25	22.99	383
11ows 490	Salt Grass, W3	780	.25	.41	06.	1.74	3.28	5.55	7.73	7.39	4.89	2.86	.98	04.	36.38	2,365
110ws 490 .19 .38 1.20 2.77 4.84 7.46 9.14 8.12 5.16 2.83 .86 .28 43.23 1,7 160 2.85 1.95 3.77 6.42 10.12 12.57 10.81 6.90 4.03 1.45 .63 60.02 8 1,7 1.710 .26 .44 1.08 2.20 3.94 6.28 8.21 7.52 4.93 2.84 1.00 .38 39.08 5,5 4,980 .20 .36 .89 1.83 3.35 5.87 7.30 5.99 3.70 2.09 .76 .29 32.63 13,5 MONTHLY DOMESTIC USE, Acre Feet	Greasewood, W1	10	40.	.07	.18	.38	.71	1.78	2.81	2.99	2.04	1.03	.25	90.	12.34	10
1,710 .26 .44 1.08 2.20 3.94 6.28 8.21 7.52 4.93 2.84 1.00 .38 39.08 5, 4,980 .20 .36 .89 1.83 3.35 5.87 7.30 5.99 3.70 2.09 .76 .29 32.63 13, MONTHLY DOMESTIC USE, Acre Feet	Cottonwoods & Wi	llows	.19	00 m	1.20	2.77	4.84	7.46	9.14	8.12	5.16	2.83		.28	43.23	1,765
1,710 .26 .44 1.08 2.20 3.94 6.28 8.21 7.52 4.93 2.84 1.00 .38 39.08 5, TOTAL 4,980 .20 .36 .89 1.83 3.35 5.87 7.30 5.99 3.70 2.09 .76 .29 32.63 13, MONTHLY DOMESTIC USE, Acre Feet	inles & Cartails		76.	000	1.90	7./.	0.47	10.12	17.37		0.30	4.03		.03	20.09	800
TOTAL 4,980 .20 .36 .89 1.83 3.35 5.87 7.30 5.99 3.70 2.09 .76 .29 32.63 MONTHLY DOMESTIC USE, Acre Feet	Total	1,710	.26	44.	1.08	2.20	3.94	6.28	8.21	7.52	4.93	2.84	1.00	.38	39.08	5,569
Acre	GRAND TOTAL	4,980	.20	.36	68.	1.83	3,35	5.87	7.30		3.70	2.09	.76	.29		13,542
			1			MO	NTHLY DOMES	TIC USE	, Acre							

Correction   Cor	TABLE 30Pc	Potential		consumptive	use,	Waters	atershed D-8,	8, Jun	Junction,	Sevier	River	Basin				
Acres   Jan   Peb   March   April   May   July   Aug   Sept   Oct   Nov   Dec.   Inches							MONTHLY U		nches					•	1 3	Use
Stringer   110   110   120   140   150   170	Crop	Acres:	Jan	Feb	March	April	May			Aug	Sept	Oct	Nov			Ac. Ft.
Fround 10 10 10 12 2 40 4.00 6.00 7.40 8.80 7.90 6.00 4.10 7.50 7.00 1.80 7.00 1.80 7.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0							Irrigat	- 4	no							
Surfaces 20 80 1.10 2.50 4.00 6.00 7.40 8.80 7.00 6.00 4.10 3.00 1.00 Carian 1.60 1.00 1.00 3.40 1.00 3.49 5.00 6.51 5.66 3.50 1.80 5.00 2.20 Carian 1.10 1.10 1.20 1.40 1.60 1.20 1.20 1.40 1.50 1.20 1.80 1.80 1.80 1.80 1.80 1.80 1.80 1.8	Bare Ground	110	.10	.20	04°	09.	.70	09.	.80	06.	. 80	09.	.50	.20	6.40	59
1,530   1,630   1,8   3.2   3.0   1,30   3,49   5.00   6.51   5.66   3.50   1,80   3.50   3	Water Surfaces	20	.80	1.10	2.50	4.00	00.9	7.40	8.80	7.00	00.9	4.10	3.00	1.00	51.70	986
Crasin 110 10 20 40 6 78 6 128 6.28 1.65 6.80 1.60 50 20  es 70 110 20 40 6 60 6 78 2.01 6.29 6.28 1.65 6.80 1.65 6.90 20  es 70 110 20 40 6.06 83 2.44 6.03 6.98 1.06 6.90 5.0 20  es 70 110 20 40 6.06 83 2.44 6.03 6.98 1.06 6.60 5.0 20  Erress, W2 300 1.16 2.2 7.74 1.62 2.91 4.15 5.41 4.78 3.01 1.58 4.8 1.7  Surfaces 10 1.0 1.0 2.0 4.0 6.00 8.80 7.0 6.0 6.00 6.00 6.00 6.00 6.00 6.00	Alfalfa Hay	1,630	.18	.32	06.	1.90	3.49	5.00	6.51	5.66	3.50	1.80	.58	.23	30.07	4,084
110   10   20   40   60   78   2.44   6.92   6.92   1.65   6.92   1.65   2.92   1.65   2.92   2.02   2.02   2.03	Small Grain	410	.10	.20	04.	.47	1.22	6.71	8.29	.86	.80	09.	.50	.20	20.35	695
es 70 110 120 120 140 160 183 2,44 6.03 6,98 1.06 1.06 1.50 1.70 1.00 1.20 1.20 1.40 1.158 1.10 1.10 1.10 1.10 1.10 1.10 1.10 1.1	Corn	110	.10	.20	04.	09"	.78	2.01	6.92	6.29	1.65	09	.50	.20	20.25	186
From the control of t	Potatoes	70	.10	.20	07	. 60	003	2.44	6.03	86 9	1.06	9	50	20	19.94	116
1,390   1.6   1.5   1.5   1.5   2.78   4.88   6.56   4.68   2.77   1.46   1.58   1.3	Pasture	07	.12	.22	.74	1.62	2.91	4.15	5.41	4.78	3.01	1.58	.48	.17	25.19	84
Training the control of the control	Total	2,390	.16	.29	.76	1.51	2.78	4.88	6.56	4.68	2.77	1.46	.58	.23	26.66	5,310
Transe, W2   300   .12   .22   .74   1.62   2.91   4.15   5.41   4.78   3.01   1.58   .48   .17   .17   .18   .22   .74   1.62   2.91   4.15   5.41   4.78   3.01   1.58   .48   .17   .17   .18   .						Irri	gated Non-	Rotation C	ropland							
300   12   12   14   1.62   2.91   4.15   5.41   4.78   3.01   1.58   1.48   1.7		300	.12	.22	.74	1.62	2.91	4.15	5.41	4.78	3.01	1.58	.48	.17	25.19	630
Non-Irrigated Non-Forbition & Non-Cropped Phreatophytes   Non-Irrigated Non-Rotation & Non-Cropped Phreatophytes	Total	300	.12	.22	.74	1.62	2.91	4.15	5.41	4.78	3.01	1.58	.48	.17	25.19	630
Fround 10 .10 .250 .460 .600 .760 .80 .80 .90 .80 .600 .50 .50 .20 .20 Surfaces 10 .80 .110 .2.50 4.00 6.00 7.40 8.80 7.00 6.00 4.10 3.00 1.00 1.00 .30 .22 .33 1.05 1.94 3.03 4.49 4.26 2.84 1.57 .54 .22 .34 .30 .30 .20 .30 .30 .30 .22 .34 .84 .30 .30 .30 .30 .32 .34 .30 .30 .30 .30 .30 .30 .32 .34 .30 .30 .30 .30 .30 .30 .30 .30 .30 .30					Non-I	gated	on-Rotatio	اخ	opped Phr	atophytes						
Surfaces 10 .80 1.10 2.50 4.00 6.00 7.40 8.80 7.00 6.00 4.10 3.00 1.00 1.00 1.00 1.00 1.00 1.00 1	Sare Ground	10	.10	.20	04.	09.	.70	09.	.80	06.	.80	09.	.50	.20	6.40	5
Trass, W2 100 .14 .22 .53 1.05 1.94 3.03 4.49 4.26 2.84 1.57 .54 .22 .34 .34 .35 .308 4.80 7.10 6.74 4.49 2.49 2.49 2.49 .86 .34 .34 .34 .35 .32 .34 .36 .36 .34 .36 .36 .34 .36 .36 .34 .36 .36 .36 .36 .36 .36 .36 .36 .36 .36	Vater Surfaces	10	.80	1.10	2.50	4.00	00.9	7.40	8.80	7.00	00.9	4.10	3.00	1.00	51.70	43
wood, W2 90 .10 .14 .44 .87 1.73 3.81 6.42 6.79 4.69 2.19 .86 .34 wood, W3 60 .19 .27 .82 1.62 3.23 7.10 11.98 12.67 8.75 4.08 1.09 .24 woods & Willows 170 .16 .32 11.14 2.59 4.55 6.41 8.36 7.36 4.68 2.44 .75 .24 woods & Willows 170 .19 .31 .86 1.75 3.19 5.06 7.39 7.02 4.69 2.47 .81 .28  TOTAL 3,480 .16 .29 .78 1.57 2.89 4.86 6.65 5.22 3.23 1.70 .62 2.47  I 2 6 9 12 14 15 15 15 15 15 15 15 15 15 15 15 15 15		100	.14	.22	.53	1.05	1.94	3.03	67.7	4.26	2.84	1.57	.54	. 22	20.83	174
wood, W2 wood, W3 woo		330	.22	.34	. 84	1.66	3.08	4.80	7.10	6.74	67.4	2.49	.86	.34	32.96	906
woods & Willows   170   19   177   182   1.62   3.23   7.10   11.98   12.67   8.75   4.08   1.09   24   1.09   1.24   1.25   1.14   2.59   4.55   6.41   8.36   7.36   4.68   2.44   1.25   1.24   1.25   1.24   1.25   1.24   1.25   1.2	Greasewood, W2	06	.10	.14	77.	.87	1.73	3.81	6.42	6.79	69.4	2.19	.58	.13	27.89	209
woods & Willows 170			.19	.27	.82	1.62	3.23	7.10	11.98	12.67	8.75	4.08	1.09	.24	52.04	260
© Cartails 20 .42 .71 1.85 3.52 6.03 8.72 11.51 9.81 6.26 3.46 1.26 .55	Cottonwoods & Willow		.16	.32	1.14	2.59	4.55	6.41	8.36	7.36	4.68	2.44	.75	.24	39.00	553
TOTAL 3,480 .19 .31 .86 1.75 3.19 5.06 7.39 7.02 4.69 2.47 .81 .28  TOTAL 3,480 .16 .29 .78 1.57 2.89 4.86 6.65 5.22 3.23 1.70 .62 .24  MONTHLY DOMESTIC USE, Acre Feet  1 2 6 9 12 14 15 15 15 10 5 1 -	Tules & Cattails		.42	.71	1.85	3.52	6.03	8.72	11.51	9.81	6.26	3.46	1.26	.55	54.10	06
TOTAL 3,480 .16 .29 .78 1.57 2.89 4.86 6.65 5.22 3.23 1.70 .62 .24 28.  MONTHLY DOMESTIC USE, Acre Feet  1 2 6 9 12 14 15 15 10 5 1 -	Total	790	.19	.31	. 86	1.75	3.19	5.06	7.39	7.02		2.47	.81	.28	34.02	2,240
2 6 9 12 14 15 10	GRAND TOTAL	3,480	.16	.29	.78	1.57	2.89	4.86	6.65	5.22	3.23	1.70	.62	.24		8,180
2 6 9 12 14 15 15 10						WO	NTHLY DOME	1 1	Acre Feet							
			-	c	4	o	12	17.	7.	u -	Ç	u	-			S
			-	7			177	T	CT	7	IOI		<b>-</b>	1		06

Acres: Jan	Feb. 1.20 1.20 1.18 1.18 1.18	March .38	April	May Irrigated	June	July	Aug	Sept	Oct	Nov	Dec:	Inches	
Ground  140 20 1fa Hay 1 Grain 260 260 260 260 260 260 260 260 260 260	.18 1.20 .43 .18 .18	.38		Irrigate	1	l	0						AC. FT.
1,040 3,920 1,040 260 5,380	18	.38			-1	n.						1 /	1
3,920 1,040 260 5,380	1.18	2.50	4.00	06.00	.76	1.17	.95	.74	3.70	.34	.12	6.68	78
Ground 30	0	388	1.48	2.92.64.90	4.55	5.96 8.61 4.51	5.13 2.80 6.02	3.26 .74	1.63	.34	.38	27.35 18.72 17.16	8,934 1,623 372
30	.3/	. 64	1.22	2.34	4.18	6.28	4.62	2.65	1.35	.50	.31	24.73	11,089
30			Irrig	Irrigated Non-Rotation		Cropland							
10	.18	.38	.48	06°	.76	1.17	.95	. 74	.55	. 34	.12	6.68	17
0 17 1	1.20	2.50	4.00	00.9	8.20	7.80	6.30	5.80	3.70	2.30	. 80	49.30	41
2,630	300	09.	1,26	2.48	3.73	4.96	4.34	2.77	1.41	94.	.29	22.83	5.004
, W2	.30	09.	1.26	2.48	3.73	7.96	4.34	2.77	1.41	94.	.29	22.83	114
Total 2,880 .23	.30	09.	1.26	2.48	3.71	4.93	4.31	2.76	1.41	74.	.29	22.75	5,461
		Non-Ir	rigated	Non-Rotation	18	Non-Cropped Phreatophytes	ophytes						
Water Surfaces 50 .70	1.20	2.50	00.4	00.9	8.20	7.80	6.30	5.80	3.70	2.30	.80	49.30	206
Meadow, W1 90 .16	.18	.27	.50	1.04	1.69	2.58	2.41	1.63	.87	.32	.24	11.89	89
W2	.29	.43	.81	1.68	2.80	4.17	3.92	2.68	1.45	.53	.38	19.42	65
Meadow, W3 2,700 .42	.45	.68	1.29	2.62	4.31	6.55	6.15	4.16	2.25	. 83	.58	30.29	6,815
	.07	.14	.26	.59	1.40	2.38	2.47	1.72	.80	.23	60.	10.22	102
	.38	.62	1.25	2.67	6.35	11.06	11.46	8.08	3.70	1.02	.47	47.39	237
Cottonwoods & Willows 30 .33	.43	.92	1.99	3.86	5.77		69.9	4.35	2.21	.72	07.	35.35	88
Total 3,090 .40	77.	.67	1.27	2.55	4.22	6.36	5.98	4.08	2.19	. 81	.55	29.52	7,602
GRAND TOTAL 11,350 .30	.37	79°	1.24	2.43	4.07	96.5	4.91	3.07	1.59	.58	.37	25.53	24,152
			MON	MONTHLY DOMESTIC	USE,	Inches							
1	2	4	9	6	11	. 12	11	7	m	1	-		89

Jul ion 1.1 8.9 8.5 4.5 6.1 Cropped 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5						MONTHLY U	USE RATE, I	Inches						Annual Use	Use
11   18   .38   .48   .90   .76   1.1     560   .33   .43   .73   1.48   2.92   4.55   5.9     150   .11   .18   .38   .48   .64   3.77   8.6     120   .11   .18   .38   .48   .64   3.77   8.6     120   .11   .18   .38   .48   .64   3.93   6.1     850   .25   .34   .61   1.14   2.18   3.93   6.1     10   .20   .34   .61   1.14   2.18   3.93   6.1     110   .28   .45   .68   1.29   2.62   4.31   6.5     110   .28   .20   .33   .62   1.29   2.62   4.31   6.5     110   .28   .33   .43   .92   1.99   3.86   5.77   7.6     11,230   .33   .39   .66   1.26   2.48   4.38   6.5     11,230   .27   .35   .63   1.18   2.27   4.07   6.2     MONTHLY DOMESTIC USE, Acre F	Acres:	Jan	Feb	March	April		June	July	Aug	Sept	Oct	Nov	Dec : Inches	1	Ac. Ft.
20 .11 .18 .38 .48 .90 .76 1.1  560 .33 .43 .73 1.48 2.92 4.55 5.9  150 .11 .18 .38 .48 .64 3.77 8.6  120 .11 .18 .38 .48 .60 1.73 4.5  850 .25 .34 .61 1.14 2.18 3.93 6.1  Non-Irrigated Non-Rotation Croplan  Non-Irrigated Non-Rotation & Non-Cropped  Non-Irrigated Non-Cropped  Non-Irrigated Score 8.20 7.8  80 .42 .45 .68 1.29 2.62 4.31 6.5  110 .28 .29 .43 .81 1.68 2.80 4.1  70 .18 .20 .33 .62 1.25 2.67 6.35 11.0  80 .33 .38 .62 1.25 2.67 6.35 11.0  380 .33 .43 .92 1.99 3.86 5.77 7.6  11,230 .27 .35 .63 1.18 2.27 4.07 6.2  MONTHLY DOMESTIC USE, Acre F						Irrigat		n							
150   .33   .43   .73   1.48   2.92   4.55   5.99   150   1.11   .18   .38   .48   .64   3.77   4.55   1.20   .11   .18   .38   .48   .64   3.77   4.55   5.99   1.20   .25   .34   .61   1.14   2.18   3.93   6.1   .14   2.18   3.93   6.1   .20   .25   4.00   6.00   8.20   7.8   .20   .33   .43   .92   1.29   2.62   4.31   6.5   .20   .33   .43   .92   1.25   2.67   6.35   11.0   .28   .33   .43   .92   1.99   3.86   5.77   7.6   .33   .43   .92   1.99   3.86   5.77   7.6   .33   .43   .92   1.99   3.86   5.77   7.6   .35   .43   .65   1.25   2.67   6.35   .77   7.6   .20   .33   .43   .92   1.99   3.86   5.77   7.6   .20		.11	.18	.38	84.	06.	92.	1.17	.95	.74	.55	.34	.12	89.9	11
120   .11   .18   .38   .48   .90   1.73   4.5     850   .25   .34   .61   1.14   2.18   3.93   6.1     Irrigated Non-Rotation Croplan		.33	.43	.73	1.48	2.92	4.55	5.96	5.13	3.26	1.63	.55	.38	27.35	1,276
S50		.11	.18	.38	84.	06.	1.73	4.51	6.02	1.84	.55	.34	.12	17.16	172
Irrigated Non-Rotation Croplan   Non-Irrigated Non-Rotation & Non-Cropped	850	.25	.34	.61	1.14	2.18	3.93	6.11	4.75	2.56	1.26	.48	.29	23.90	1,693
Non-Irrigated Non-Rotation & Non-Cropped  20 .70 1.20 2.50 4.00 6.00 8.20 7.8  80 .42 .45 .68 1.29 2.62 4.31 6.5  110 .28 .29 .43 .81 1.68 2.80 4.1  70 .18 .20 .33 .62 1.25 2.67 6.35 11.0  30 .33 .43 .92 1.99 3.86 5.77 7.6  30 .33 .43 .92 1.99 3.86 5.77 7.6  11,230 .27 .35 .63 1.18 2.27 4.07 6.2					Irrig			ropland							
20 .70 1.20 2.50 4.00 6.00 8.20 7.8  80 .42 .45 .68 1.29 2.62 4.31 6.5  110 .28 .29 .43 .66 1.44 3.44 5.8  50 .33 .43 .92 1.99 3.86 5.77 7.6  380 .33 .39 .66 1.26 2.48 4.38 6.5  1,230 .27 .35 .63 1.18 2.27 4.07 6.22  MONTHLY DOMESTIC USE, Acre F							Z								
20 .70 1.20 2.50 4.00 6.00 8.20 7.80 8.0 1.20 2.62 4.31 6.55 1.20 2.62 4.31 6.55 4.17 1.00 3.3 .33 .34 9.2 1.99 3.86 5.77 7.68 3.0 3.3 .39 .66 1.24 4.38 6.35 11.06 1.38 3.0 3.3 .39 .66 1.26 2.48 4.38 6.55 11.06 1.43 3.44 5.89 11.06 1.30 3.3 .39 .66 1.26 2.48 4.38 6.55 11.30 3.30 .66 1.26 2.48 4.38 6.55 11.230 2.27 3.30 3.31 3.32 3.33 3.34 6.55 11.30 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3					1 1	n-Rotatio	8	opped Phre	Phreatophytes						
80 .42 .45 .68 1.29 2.62 4.31 6.55 110 .28 .29 .43 .81 1.68 2.80 4.17 70 .18 .20 .33 .66 1.44 3.44 5.89 50 .33 .43 .92 1.99 3.86 5.77 7.68 30 .33 .43 .92 1.99 3.86 5.77 7.68 11,230 .27 .35 .63 1.18 2.27 4.07 6.25		.70	1.20	2.50	00.4	00.9	8.20	7.80	6.30	5.80	3.70	2.30	.80	49.30	82
110 .20 .27 .43 .01 1.08 2.00 4.17 70 .18 .20 .33 .66 1.44 3.44 5.89 50 .33 .38 .62 1.25 2.67 6.35 11.06 1 30 .33 .43 .92 1.99 3.86 5.77 7.68 30 .33 .43 .92 1.99 3.86 5.77 7.68 1.26 2.48 4.38 6.55 1,230 .27 .35 .63 1.18 2.27 4.07 6.25		.42	.45	89.	1.29	2.62	4.31	6.55	6.15	4.16	2.25	. 83	.58	30.29	202
70 .18 .20 .33 .66 1.44 3.44 5.89 50 .33 .38 .62 1.25 2.67 6.35 11.06 11.06 30 .33 .43 .92 11.99 3.86 5.77 7.68 30 .33 .43 .92 11.99 3.86 5.77 7.68 380 .33 .39 .66 11.26 2.48 4.38 6.55 11,230 .27 .35 .63 11.18 2.27 4.07 6.25	7 %	87.	67.	.43	180.	1.68	7.80	4.1/	3.92	7.08	1.45	.53	. 38	19.47	0/1
%s 50 .33 .38 .62 1.25 2.67 6.35 11.06 1 20 .33 .43 .92 1.99 3.86 5.77 7.68 3.03 .33 .43 .92 1.99 3.86 5.77 7.68 1.29 3.80 5.77 7.68 1.20 2.48 4.38 6.55 1.20 2.27 4.07 6.25 1.230 .27 .35 .63 1.18 2.27 4.07 6.25 MONTHLY DOMESTIC USE, Acre Feet		.18	.20	.33	99.	1.4	3.44	5.89	6.15	4.30	2.00	.55	.25	25.39	148
380 .33 .43 .92 1.99 3.86 5.77 7.68 380 .33 .39 .66 1.26 2.48 4.38 6.55 1,230 .27 .35 .63 1.18 2.27 4.07 6.25 MONTHLY DOMESTIC USE, Acre Feet	Swoll W	. s.s.	.38	.62	1.25	3.86	6.35	11.06	11.46	8.08	3.70	1.02	74.	35.35	198
380 .33 .39 .66 1.26 2.48 4.38 6.55 1,230 .27 .35 .63 1.18 2.27 4.07 6.25 MONTHLY DOMESTIC USE, Acre Feet		.33	.43	.92	1.99	3.86	5.77	7.68	69.9	4.35	2.21	.72	740	35.35	888
1,230 .27 .35 .63 1.18 2.27 4.07 6.25 MONTHLY DOMESTIC USE, Acre Feet	380	.33	.39	99°	1.26	2.48	4.38	6.55	6.28	4.38	2.23	.78	777	30.16	955
DOMESTIC USE, Acre		.27	.35	.63	1.18	2.27	4.07	6.25	5.22	3.12	1.56	.57	.34	25.83	2,648
					MOM	THLY DOME									
1 2 4 6 9 11 12		H	2	7	9	6	11	12	11	7	m	Н	-		68

March   April   May   June   July   Aug   Sept   Oct   Nov   Display   Integrated Notation   Irrigated	Srop	• •					MONTHI.Y II	USE RATE. I	Tuches						Annu	Annual IIse
Ground Gr		Acres:	Jan	Feb	March	April	4	June	July	Aug	Sept	Oct	Nov	Dec :	: Inches	Ac. Ft.
1,710   1.18   1.38   1.48   1.49   1.17   1.18   1.35   1.34   1.48   1.48   1.49   1.17   1.18   1.38   1.48							Irrigat						-			
2,620 .70 1.20 2.50 4.00 6.00 8.20 7.80 6.30 5.80 3.70 2.30  1,710 .13 .14 .18 .18 2.92 4.55 5.96 5.13 3.26 1.63 5.8  2,620 .26 .35 .62 1.16 2.21 3.96 6.14 4.78 2.58 1.28 .49  1,10 .70 1.20 2.50 4.00 6.00 8.20 7.80 6.30 5.80 3.70 2.30  1,10 .70 1.20 2.50 4.00 6.00 8.20 7.80 6.30 5.80 3.70 2.30  1,200 .23 .31 .62 1.26 2.48 3.73 4.96 4.34 2.77 1.41 .46  1,200 .23 .31 .62 1.28 2.51 3.77 4.98 6.30 5.80 3.70 2.30  1,200 .23 .31 .62 1.26 2.48 3.77 4.98 6.30 5.80 3.70 2.30  1,200 .23 .31 .62 1.26 2.48 3.77 4.98 6.30 5.80 3.70 2.30  1,200 .23 .31 .62 1.28 2.51 3.77 4.98 6.30 5.80 3.70 2.30  1,200 .23 .30 .60 1.26 2.48 3.77 4.98 1.65 2.77 1.41 .46  1,200 .23 .31 .62 1.28 2.51 3.77 4.98 6.30 5.80 3.70 2.30  1,200 .24 .28 .25 .20 4.00 6.00 8.20 7.80 6.30 5.80 3.70 2.30  1,200 .33 .42 .45 .68 1.26 2.48 3.77 7.80 6.30 3.70 2.30  1,200 .33 .42 .45 .68 1.26 2.48 3.77 7.80 6.30 5.80 3.70 2.30  1,100 .07 .07 .12 0.2.50 4.00 6.00 8.20 7.80 6.30 5.80 3.70 2.30  1,10 .07 .07 .12 0.2.50 4.00 6.00 8.20 7.80 6.30 5.80 3.70 2.30  1,10 .07 .07 .12 0.2.50 4.00 6.00 6.00 8.20 7.80 6.30 5.80 3.70 2.30  1,10 .07 .07 .12 0.2.50 4.00 6.00 8.20 7.80 6.30 5.80 3.70 2.30  1,10 .07 .07 .12 0.2.50 4.00 6.00 8.20 7.80 6.30 5.80 3.70 2.30  1,10 .07 .07 .12 0.2.50 4.00 6.00 8.20 7.80 6.30 5.80 3.70 1.22  1,10 .07 .07 .07 .07 .07 .07 .07 .07 .07 .0	are Ground	50	.11	.18	.38	.48	06.	.76	1.17	.95	.74	.55	.34	.12	6.68	28
1,710 1.3	ater Surfaces	20	.70	1.20	2.50	4.00	00.9	8.20	7.80	6.30	5.80	3.70	2.30	.80	49.30	82
1,00   1,1   1,18   3,8   4,8   5,4   1,77   8,61   2,80   1,74   5,55   3,4   1,60   1,14   1,18   3,8   4,8   5,00   1,74   5,55   3,4   1,150   1,20	lfalfa Hay	1,710	.33	.43	.73	1.48	2.92	4.55	5.96	5.13	3.26	1.63	.55	. 38	27.35	3,897
2,620 .26 .35 .62 1.16 2.21 3.96 6.14 4.78 2.58 1.28 .49 .49 .114 2.21 3.96 6.14 4.78 2.58 1.28 .49 .49 .49 .114 .128 .49 .116 2.21 3.96 6.14 4.78 2.58 1.28 .49 .49 .49 .19 .120 2.50 4.00 6.00 8.20 7.80 6.30 5.80 3.70 2.30 .40 .120 2.50 4.00 6.00 8.20 7.80 6.30 5.80 3.70 1.41 3.65 1.120 2.23 .30 .60 1.26 2.48 3.73 4.96 4.34 2.77 1.41 3.65 1.140 2.23 .30 .60 1.26 2.48 3.73 4.96 4.36 2.77 1.41 3.65 1.29 2.65 1.28 2.41 1.69 2.77 1.41 3.65 1.29 2.65 1.28 2.41 1.69 2.77 1.41 3.65 1.20 2.30 4.00 6.00 8.20 7.80 6.30 5.80 3.70 2.30 .40 0.12 8.20 4.00 6.00 8.20 7.80 6.30 5.80 3.70 2.30 1.29 2.62 4.31 6.55 6.15 4.16 2.25 83 2.41 1.63 2.83 2.41 1.63 2.85 2.83 2.41 1.63 2.85 2.89 2.41 1.69 2.88 2.40 1.45 2.25 83 2.41 1.69 2.25 83 2.41 1.25 2.41 1.40 2.38 2.41 1.40 2.35 2.41 1.40 2.35 2.41 1.40 2.35 2.41 1.40 2.35 2.41 1.40 2.35 2.41 2.40 2.40 2.40 2.40 2.40 2.40 2.40 2.40	mall Grain	097	.11	.18	.38	84.	. 64	3.77	8.61	2.80	. 74	.55	. 34	.12	18.72	718
1,000   1,00	otatoes	380	.11	.18	.38	87.	06.	1.73	4.51	6.02	1.84	.55	.34	.12	17.16	543
10   1.70   1.20   2.50   4.00   8.20   4.34   2.77   1.41   4.6   4.34   2.77   1.41   4.6   4.34   2.77   1.41   4.6   4.34   2.77   1.41   4.6   4.34   2.77   1.41   4.6   4.34   2.77   1.41   4.6   4.34   2.77   1.41   4.6   4.34   2.77   1.41   4.6   4.36   1.28   2.31   3.77   4.98   4.36   2.77   1.41   4.6   4.8   4.36   2.77   1.41   4.6   4.8   4.36   2.79   1.43   4.8   4.8   4.36   2.79   1.43   4.8   4.8   4.36   2.30   3.00   2.30   4.00   6.00   8.20   7.80   6.30   5.80   3.70   2.30   4.00   6.00   8.20   7.80   6.30   5.80   3.70   2.30   4.00   6.00   8.20   7.80   6.30   5.80   3.70   2.30   4.00   6.00   8.20   4.31   6.55   6.15   4.16   2.25   8.3   4.00   4.30   4.31   4.6   5.50   4.31   6.55   6.15   4.16   2.25   8.3   4.00   4.30   4.31   6.55   6.15   4.16   2.25   8.3   4.00   4.30   4.30   4.31   4.55   5.33   4.33   3.33   3.88   5.2   4.31   6.55   6.15   4.16   6.55   6.15   4.16   2.25   8.3   4.30   3.3	otal	2,620	.26	.35	.62	1.16	2.21	3.96	6.14		.5		67.	.30	24.13	5,268
10. 70 1.20 2.50 4.00 6.00 8.20 7.80 6.30 5.80 3.70 2.30 4.6  1,150 2.3 .30 6.0 1.26 2.48 3.73 4.96 4.34 2.77 1.41 .46  1,150 2.3 .30 6.0 1.26 2.48 3.73 4.96 4.34 2.77 1.41 .46  1,200 2.3 .31 6.2 1.28 2.51 3.77 4.98 4.36 2.79 1.43 .48  70 70 1.20 2.50 4.00 6.00 8.20 7.80 6.30 5.80 3.70 2.30  140 1.6 1.8 2.7 1.29 2.62 4.31 6.55 6.15 4.16 2.25 83  40 2.22 4.31 6.55 6.15 4.16 2.25 83  140 1.6 1.8 2.7 1.29 2.62 4.31 6.55 6.15 4.16 2.25 83  150 0.7 0.7 1.2 2.50 1.04 1.69 2.58 2.41 1.63 2.25 83  170 0.7 0.7 1.2 2.5 1.2 1.2 2.62 4.31 6.55 6.15 4.16 2.25 83  180 0.7 0.7 0.7 1.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2						Irrig	gated Non-	1 1	ropland							
1,150 .23 .30 .60 1.26 2.48 3.73 4.96 4.34 2.77 1.41 .46 1,150 .23 .31 .62 1.28 2.51 3.77 4.98 4.36 2.77 1.41 .46 1,200 .23 .31 .62 1.28 2.51 3.77 4.98 4.36 2.79 1.43 .48  70 .70 1.20 2.50 4.00 6.00 8.20 7.80 6.30 5.80 3.70 2.30  220 .42 .45 .68 1.29 2.62 4.31 6.55 6.15 4.16 2.25 .83  40 .28 .29 .43 .81 1.68 2.80 4.17 3.92 2.68 1.45 5.30  130 .07 .07 .14 .26 .59 1.40 2.38 2.41 1.65 8.88  130 .33 .38 .62 1.29 2.67 4.31 6.55 6.15 4.16 2.25 8.83  110 .91 1.00 1.52 2.73 5.05 6.37 7.68 6.69 4.35 2.21 7.72  110 .31 .43 .92 1.99 3.86 5.77 7.68 6.69 4.35 2.21 7.72  1140 .37 .46 .83 1.60 3.02 4.70 6.41 5.78 3.96 2.10 7.79  4,960 .28 .36 .67 1.29 2.47 4.08 5.92 4.91 5.78 3.96 2.10 7.79  11,140 .37 .46 .83 1.60 3.02 4.70 6.41 5.78 3.96 2.10 7.79  MONTHLY DOWESTIC USE, Acre Feet	ater Surface	10	.70	1.20	2.50	4.00	00.9	8.20	7.80	6.30	5.80	3.70	2.30	. 80	49.30	41
1,150 .23 .30 .60 1.26 2.48 3.73 4.96 4.34 2.77 1.41 .46  1,200 .23 .31 .62 1.28 2.51 3.77 4.98 4.36 2.79 1.43 .48    1,200 .23 .31 .62 1.28 2.51 3.77 4.98 4.36 2.79 1.43 .48    1,200 .23 .31 .62 1.28 2.51 3.77 4.98 4.36 2.79 1.43 .48    1,200 .24 .45 .48 .45 .68 1.29 2.62 4.31 6.55 6.15 4.16 2.25 .83    1,200 .42 .45 .48 .48 .129 2.62 4.31 6.55 6.15 4.16 2.25 .83    1,200 .07 .07 .07 .04 .26 .29 .43 .16 2.58 2.41 1.63 2.25 .83    1,200 .07 .07 .07 .08 .20 .20 1.04 1.69 2.58 2.41 1.65 2.25 .83    1,200 .07 .07 .07 .08 .20 1.04 2.38 2.47 1.72 3.80 .23    1,200 .07 .07 .08 .20 1.29 2.62 4.31 6.55 6.15 4.16 2.25 .83    1,200 .07 .07 .08 .20 1.29 2.62 4.31 6.55 6.15 4.16 2.25 .83    1,200 .07 .07 .08 .20 1.29 2.67 6.35 11.06 11.46 8.08 3.70 1.29    1,200 .07 .08 .20 1.29 3.86 5.77 7.68 6.69 4.35 2.21 7.72    1,140 .37 .46 .83 1.60 3.02 4.70 6.41 5.78 3.96 2.10 7.70    4,960 .28 .36 .67 1.29 2.47 4.08 5.92 4.91 2.95 1.50 .56    1,140 .37 .46 .83 1.60 3.02 4.70 6.41 5.78 3.96 2.10 7.70    1,140 .38 .40 .40 .40 .40 8.70 8.40 8.70 8.40 8.70 8.70 8.70 8.70 8.70 8.70 8.70 8.7	eadow, W1	07	.23	.30	09.	1.26	2.48	3.73	96.4	4.34	2.77	1.41	94.	.29	22.83	9/
1,200 .23 .31 .62 1.28 2.51 3.77 4.98 4.36 2.79 1.43 .48  Non-Irrigated Non-Rotation & Non-Cropped Phreatophyres  Non-Irrigated Non-Rotation & Non-Cropped Phreatophyres  120 .42 .45 .68 1.29 2.62 4.31 6.55 6.15 4.16 2.25 .83  140 .16 .18 .27 .50 1.04 1.69 2.58 2.41 1.63 .87 .32  40 .28 .29 .43 .81 1.68 2.80 4.17 3.92 2.68 1.45 .53  20 .33 .38 .62 1.29 2.62 4.31 6.55 6.15 4.16 2.25 .83  130 .07 .07 .14 .26 .59 1.04 2.38 2.47 1.02 2.68 1.45 .53  30 .33 .38 .62 1.29 2.65 6.35 11.06 11.46 8.08 3.70 1.02  110 .31 .43 .92 1.99 3.86 5.77 7.68 6.69 4.35 2.21 .72  110 .31 .46 .83 1.60 3.02 4.70 6.41 5.78 3.96 2.10 .72  4,960 .28 .36 .67 1.29 2.47 4.08 5.92 4.91 2.95 1.50 .56  4,960 .28 .36 .67 1.29 2.47 4.08 5.92 4.91 2.95 1.50 .56	eadow, W2	1,150	.23	.30	09.	1.26	2.48	3.73	4.96	4.34	2.77	1.41	97.	.29	22.83	2,188
70   70   1.20   2.50   4.00   6.00   8.20   7.80   6.30   5.80   3.70   2.30     220   .42   .45   .68   1.29   2.62   4.31   6.55   6.15   4.16   2.25   .83     140   .16   .18   .27   .25   1.04   1.69   2.58   2.41   1.63   .87   .32     140   .16   .18   .27   .28   2.80   4.15   4.16   2.25   .83     140   .16   .18   .27   .26   1.04   1.69   2.58   2.41   1.63   .87   .33     140   .16   .18   .27   .28   .29   .43   6.55   6.15   4.16   2.25   .83     150   .07   .07   .14   .26   .59   1.40   2.38   2.47   1.72   .80   .23     130   .07   .07   .14   .26   .59   1.40   2.38   2.47   1.72   .80   .23     110   .31   .43   .92   1.29   3.86   5.77   7.68   6.69   4.35   2.21   .72     1110   .31   .43   .92   1.99   3.86   5.77   7.68   6.69   4.35   2.21   .72     11140   .37   .46   .83   1.60   3.02   4.70   6.41   5.78   3.96   2.10   .79     4,960   .28   .36   .67   1.29   2.47   4.08   5.92   4.91   2.95   1.50   .56     A +960   .28   .36   .67   1.29   2.47   4.08   5.92   4.91   2.95   1.50   .56     11140   .20   .20   .20   .20   .20   .20   .20     11140   .20   .20   .20   .20   .20   .20   .20   .20   .20     11140   .20   .20   .20   .20   .20   .20   .20   .20   .20   .20   .20   .20   .20   .20     11140   .20	otal	1,200	.23	.31	.62	1.28		3.77	86.4	4.36	2.79	1.43	.48	.29	23.05	2,305
70					Non-	rigated	Non-Rotati	ত		eatophytes						
W1 140 .16 .18 .27 .50 1.04 1.69 2.58 6.15 4.16 2.25 .83 W2 40 .28 .29 .43 .81 1.68 2.80 4.17 3.92 2.68 1.45 .33 W3 20 .42 .45 .68 1.29 2.62 4.31 6.55 6.15 4.16 2.25 .83 W1 130 .07 .07 .14 .26 .59 1.40 2.38 2.47 1.72 .80 2.38 W1 30 .33 .38 .62 1.25 2.67 6.35 11.06 11.46 8.08 3.70 1.02 Exertion 10 .31 .43 .92 1.99 3.86 5.77 7.68 6.69 4.35 2.21 .72  Exertion 10 .33 .44 .92 1.99 3.86 5.77 7.68 6.69 4.35 2.21 .72  H,140 .37 .46 .83 1.60 3.02 4.70 6.41 5.78 3.96 2.10 .79  WNTHINY DAMESTIC USE, ACTE Feet	ater Surfaces	70	.70	1.20	2.50	4.00	00.9		7.80	6.30		3.70	2.30	.80	49.30	287
W1 140 .16 .18 .27 .50 1.04 1.69 2.58 2.41 1.63 .87 .32 W2 40 .28 .29 .43 .81 1.68 2.80 4.17 3.92 2.68 1.45 .53 W3	eadow, W3	220	.42	.45	. 68	1.29	2.62	4.31	6.55	6.15	4.16	2.25	.83	.58	30.29	555
W2 40 .28 .29 .43 .81 1.68 2.80 4.17 3.92 2.68 1.45 .53 W3 20 .4.17 3.92 2.68 1.45 .53 W3 20 .42 .45 .68 1.29 2.62 4.31 6.55 6.15 4.16 2.25 .83 W1 130 .07 .07 .14 .26 .59 1.40 2.38 2.47 1.72 .80 .23 Ctails 110 .91 1.00 1.52 2.73 5.05 7.78 6.69 4.35 2.21 .72 Ctails 110 .91 1.00 1.52 2.73 5.05 7.58 10.06 8.80 5.93 3.30 1.29 Ctation 10 .33 .46 .83 1.60 3.02 4.70 6.41 5.78 3.96 2.10 .79 W3 3.96 2.10 .79 W3 3.96 2.10 2.95 1.50 2.47 4.08 5.92 4.91 2.95 1.50 .56 2.10 .79 W3 3.90 2.47 4.08 5.92 4.91 2.95 1.50 .56		140	.16	.18	.27	.50	1.04	1.69	2.58	2.41	1.63	.87	.32	. 24	11.89	139
wood, W1 130 .07 .07 .14 .26 .59 1.40 2.38 2.47 1.72 .80 .23 .83 .80 .33 .38 .62 1.25 2.67 6.35 11.06 11.46 8.08 3.70 1.02 .80 .33 .33 .43 .92 1.99 3.86 5.77 7.68 6.69 4.35 2.21 .72 .80 .23 .30 .33 .43 .92 1.99 3.86 5.77 7.68 6.69 4.35 2.21 .72 .30 1.29 .30 vegetation 10 .31 .45 .92 1.99 3.86 5.77 7.68 6.69 4.35 2.21 .72 .72 .30 1.29 .30 1.29 .30 1.29 2.77 7.68 6.69 4.35 2.21 .72 .72 .30 1.29 .30 1.29 2.47 4.08 5.92 4.91 2.95 1.50 .56 .30 1.50 .56 .30 1.50 .30 1.29 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50		07	.28	.29	.43	.81	1.68	2.80	4.17	3.92	2.68	1.45	.53	.38	19.45	65
wood, W1 130 .07 .07 .14 .26 .59 1.40 2.38 2.47 1.72 .80 .23 .80 .23 .80 .23 .80 .23 .80 .23 .80 .33 .38 .62 1.25 2.67 6.35 11.06 11.46 8.08 3.70 1.02 .80 .20 .33 .43 .92 1.99 3.86 5.77 7.68 6.69 4.35 2.21 .72 .72 .80 .30 .31 .43 .92 1.99 3.86 5.77 7.68 6.69 4.35 2.21 .72 .72 .43 .92 1.99 3.86 5.77 7.68 6.69 4.35 2.21 .72 .72 .40 .83 1.60 3.02 4.70 6.41 5.78 3.96 2.10 .79 .70 .70 .20 .20 .20 .20 .20 .20 .20 .20 .20 .2		20	.42	.45	.68	1.29	2.62	4.31	6.55	6.15	4.16	2.25	. 83	. 58	30.29	51
woods & Willows 370 .33 .38 .62 1.25 2.67 6.35 11.06 11.46 8.08 3.70 1.02 woods & Willows 370 .33 .43 .92 1.99 3.86 5.77 7.68 6.69 4.35 2.21 .72 an Vegetation 10 .33 .43 .92 1.99 3.86 5.77 7.68 6.69 4.35 2.21 .72 an Vegetation 10 .33 .43 .92 1.99 3.86 5.77 7.68 6.69 4.35 2.21 .72 an Vegetation 10 .33 .45 .92 1.99 3.86 5.77 7.68 6.69 4.35 2.21 .72 an Vegetation 10 .37 .46 .83 1.60 3.02 4.70 6.41 5.78 3.96 2.10 .79 TOTAL 4,960 .28 .36 .67 1.29 2.47 4.08 5.92 4.91 2.95 1.50 .56	reasewood, W1	130	.07	.07	.14	.26	.59	1.40	2.38	2.47	1.72	. 80	.23	60.	10.22	111
Acceptails 110 .91 1.00 1.52 2.73 5.05 7.77 7.68 6.69 4.35 2.21 .72 an Vegetation 10 .33 .43 .92 1.99 3.86 5.77 7.68 6.69 4.35 2.21 .72 an Vegetation 10 .33 .43 .92 1.99 3.86 5.77 7.68 6.69 4.35 2.21 .72 an Vegetation 10 .37 .46 .83 1.60 3.02 4.70 6.41 5.78 3.96 2.10 .79 TOTAL 4,960 .28 .36 .67 1.29 2.47 4.08 5.92 4.91 2.95 1.50 .56	reasewood, W3	30	.33	.38	.62	1.25	2.67	6.35	11.06	11.46	8.08	3.70	1.02	14.	47.39	
& Cattails 110 .91 1.00 1.52 2.73 5.05 7.58 10.06 8.80 5.93 3.30 1.29 an Vegetation 10 .33 .43 .92 1.99 3.86 5.77 7.68 6.69 4.35 2.21 .72 an Vegetation 10 .37 .46 .83 1.60 3.02 4.70 6.41 5.78 3.96 2.10 .79 TOTAL 4,960 .28 .36 .67 1.29 2.47 4.08 5.92 4.91 2.95 1.50 .56	ottonwoods & Willows		.33	.43	.92	1.99	3.86	5.77	7.68	69.9	4.35	2.21	.72	04.	35.35	1,090
an Vegetation 10 .33 .43 .92 1.99 3.86 5.77 7.68 6.69 4.35 2.21 .72  1,140 .37 .46 .83 1.60 3.02 4.70 6.41 5.78 3.96 2.10 .79  TOTAL 4,960 .28 .36 .67 1.29 2.47 4.08 5.92 4.91 2.95 1.50 .56	ules & Cattails		.91	1.00	1.52	2.73	5.05	7.58	10.06	8.80	5.93	3.30	1.29	1.01	49.18	451
1,140 .37 .46 .83 1.60 3.02 4.70 6.41 5.78 3.96 2.10 .79  TOTAL 4,960 .28 .36 .67 1.29 2.47 4.08 5.92 4.91 2.95 1.50 .56  MONTHLY DOMESTIC USE, Acre Feet	iparian Vegetation	10	.33	.43	.92	1.99	3.86	5.77	7.68	69.9	4.35	2.21	.72	07.	35.35	29
TOTAL 4,960 .28 .36 .67 1.29 2.47 4.08 5.92 4.91 2.95 1.50	otal	1,140	.37	94.	.83	1.60		4.70					62.	.47	30.49	2,897
MONTHLY DOMESTIC USE, Acre Feet	RAND TOTAL	7,960	.28	.36	.67	1.29	2.47	4.08			6.		.56	.34	25.33	10,470
1 1 1						MO	NTHLY DOME	STIC USE,	Fee							
3 4 6 7 7 5 2					m	7	9	7	7	7	5	2		,		43

							ы	Inches					1 1	na	Use
Crop	Acres:	Jan	Feb	March	April	May	June ed Rotation	July	Aug	Sept	Oct	Nov	nec :	Inches	AC. FC.
Bare Ground Water Surfaces	10	.11	.18	.38	7.00	00.9	.76	1.17	.95	.74	3.70	2.30	.12	6.68	123
Alfalfa Hay Small Grain Potatoes	490 660 100	.33	.18	.73	1.48	2.92.64.90	4.55	5.96 8.61 4.51	5.13 2.80 6.02	3.26	1.63	.34	.38	27.35 18.72 17.16	1,117 1,030 1,030
Total	1,290	.21	.30	.56	76.	1.65	3.99	7.21	4.00	1.90	1.03	74.	.23	22.49	2,419
					Irrigated		Non-Rotation Co	Cropland							
Meadow, W1 Meadow, W2	540	.16	.18	.27	.50	1.04	1.69	2.58	2.41	1.63	.87	.32	.38	11.89	535
Total	550	.16	.18	.27	.51	1.05	1.71	2.61	2.44	1.65	88.	.33	.24	12.03	551
				Non-Ir	rigated	Non-Rotation	ত	Non-Cropped Phre	Phreatophytes						
Water Surfaces	80	.70	1.20	2.50	4.00	00.9	8.20	7.80	6.30	5.80	3.70	2.30	.80	49.30	329
Meadow, W1 Meadow, W2	110	.16	.18	.27	.50	1.04	1.69	2.58	2.41	1.63	.87	.32	.24	11.89	109
	50	.07	.07	.14	.26	. 59	1.40	2,38	2.47	1.72	.80	.23	60.	10.22	43
Greasewood, W2	20	.18	.20	.33	99.	1.44	3.44	5.89	6.15	4.30	2.00	.55	.25	25.39	7
Cottonwoods & Willows Riparian Vegetation	110	.33	.43	.92	1.99	3.86	5.77	7.68	69.9	4.35	2.21	.72	07.	35.35	324
Total	420	.32	.45	.92	1.68	2.97	97.7	5.57	06.4	3,56	1.95	.85	.39	28.02	981
GRAND TOTAL	2,260	.22	.30	.56	76.	1.75	3.52	5.78	3.79	2.15	1.16	.51	.26	20.97	3,951

						MONTHLY US	USE RATE, IN	Inches					•••	Annual	l'se
Crop	Acres:	Jan	Feb	March	April	Мау		July	Aug	Sept	Oct	Nov	Dec :	:Inches	Ac. Ft.
						Irrigated	ed Rotation	-							
Bare Ground	70	.12	.20	.39	09.	09.	79.	1.04	1.24	1.10	.61	.36	.15	7.05	41
Alfalfa Hay &															
Deciduous Orchards	2,510	.39	.52	.95	2.03	3.67	5.27	9.94	5.73	3.76	2.00	. 73	.45	32.14	6,723
Small Grain	150	.12	.20	.39	09.	1.78	7.38	6.78	1.25	1.10	.61	.36	.15	20.72	259
Corn	09	.12	.20	.39	09.	.83	2.79	7.61	5.86	1.96	.61	.36	.15	21.48	107
Pasture	150	.27	.37	.79	1.74	3.07	4.40	5.54	4.79	3.25	1.72	09.	.34	26.88	336
Total	2,940	.36	.48	.89	1.88	3.41	5.17	6.48	5.35	3.50	1.85	69.	.42	30.48	7,466
					Irrigated		Non-Rotation Cr	Cropland							
Meadow, W2	260	.33	.34	.57	1.12	2.05	3.22	79.7	4.35	3.10	1.76	.71	.45	22.64	491
Total	260	.33	.34	.57	1.12	2.05	3.22	79.4	4.35	3.10	1.76	.71	.45	22.64	167
				Non-Irri		gated Non-Rotation	8	Non-Cropped Phreatophytes	tophytes						
Water Surfaces	09	.80	1.30	2.60	4.00	5.90	8.70	09.6	8.30	7.30	4.10	2.40	1.00	26.00	280
Meadow, W2	30	.33	.34	.57	1.12	2.05	3.22	79.7	4.35	3.10	1.76	.71	.45	22.64	57
Riparian Vegetation	280	.39	.52	1.20	2.77	4.80	6.76	8.58	7.43	5.03	2.70	76.	64.	41.61	971
Total	370	.45	. 63	1.38	2.84	4.75	6.79	8.43	7.32	5.24	2.85	1.16	.57	42.41	1,308
GRAND TOTAL	3,570	.37	87.	.92	1.92	3.45	5.19	6.55	5.48	3.65	1.95	.74	77.	31.14	9,265
					MOM	MONTHLY DOMESTIC USE,	1 1	Acre Feet							
		1	m	7	11	16	18	20	20	13	9	2	1		117

Bare Ground 190 Water Surfaces 30 Alfalfa Hay 3,210 Small Grain 820						MONTHLY	USE KAIE, I	Inches					-	AUUUAI	Use
3,	ŀ	Jan	Feb	March	April		1	July	Aug	Sept	Oct	Nov	Dec:	:Inches 4	Ac. Ft.
rî						Irrigated	ted Rotation	nc							
ຕົ	190	.10	.20	.40	.60	09.	.50	.80	.90	.70	.60	3.00	.20	6.00	95
r r														0	0
		.16	.32	06.	1.86	3.47	2.00	6.51	5,65	3.52	1.80	.58	. 23	30.00	8,025
		.10	.20	07.	09.	1.43	6.71	7.40	1.08	. 70	09.	07.	.20	19.82	1,354
		.10	.20	04.	09.	.77	2.07	66.9	6.28	2.04	09.	07.	.20	20.65	310
Potatoes 3	370	10	,20	04.	.60	.83	2.50	6.10	6.97	.95	09.	07.	.20	19.85	612
Total 4,800		.14	.29	.75	1.46	2.72	4.83	97.9	4.81	2.69	1.42	. 54	.22	26.31	10,525
					Irri	Irrigated Non-	Non-Rotation C	Cropland							
Meadow, W2 1,680		11.	.22	.74	1.62	2.91	4.15	5.41	4.77	3.01	1.58	87.	.19	25.19	3,527
Total 1,680		.11	.22	.74	1.62	2.91	4.15	5.41	4.77	3.01	1.58	87.	.19	25.19	3,527
				Non-Irr	igated	Non-Rotation	45	Non-Cropped Phr	Phreatophytes						
Water Surfaces	50	.80	1.10	2.50	00.4	00.9	7.40	8.80	7.00	00.9	4.10	3.00	1.00	51.70	215
Salt Grass, W2 9.	920	.12	.22	.53	1.05	1.96	3.05	4.52	4.27	2.86	1.58	.53	.23	20.92	1,604
	240	.19	.34	.83	1.66	3.12	4.76	7.12	6.72	67.7	2.48	.87	.36	32.94	629
Greasewood, W1	09	.03	90.	.18	.32	69.	1.52	2.60	2.70	1.87	.86	.24	90.	11.13	56
2		60°	.14	.43	.85	1.69	3.78	6.44	6.72	4.63	2.18	.58	.15	27.68	657
ation	165	.14	.32	1.14	2.59	4.55	07.9	8.36	7.35	4.68	2.44	.75	.26	38.98	536
Total 1,720 .14 .25	20 O acres	.14 Ruffalo	.25 Wyrrade	.66	1.31	2.40	3.80	5.63	5.34	3.61	1.94	.67	.25	26.00	3,727
Cascada Na Alica de Cascada An		4													
GRAND TOTAL 8,200		.13	.27	.73	1.46	2.69	84.4	90.9	4.91	2.95	1.56	. 56	.22	26.02	17,779
					MO	MONTHLY DOM	DOMESTIC USE,	Acre Feet							
		,	m	7	10	15	17	19	18	12	9	2	•		110

						MONTHLY	USE RATE,	Inches					• •	Annual	al Use
Crop	Acres:	Jan	Feb	March	April	May		July	Aug	Sept	Oct	Nov	Dec : I	:Inches /	Ac. Ft.
						Irrigated	ted Rotation	on							
Bare Ground Water Surfaces	40	.10	.20	.30	.60	.70	7.50	1.20	1.10	.90	.60	.30	.10	6.80	22
		,			,	0				6		i i		1	8
Alfalfa Hay	1,090	. L3	27.	, a	1.64	2.93	4.31	2.63	26.47	3.09 80 8	1.53	30	17	10 64	1 584
	350	.13	.21	.57	1.41	2.48	3.62	4.72	4.15	2.67	1.35	.41	.16	21.88	638
Total	5,530	.13	.22	.62	1.44	2.50	4.27	5.97	4.35	2.66	1.37	.48	.16	24.17	11,144
					Irri	Irrigated Non	Non-Rotation	Cropland							
Bare Ground	10	.10	.20	.30	09.	.70	.70	1.20	1.10	06°	09.	.30	.10	6.80	40
Meadow, W1 Meadow, W2	300	.13	.21	.57	1.41	2.48	3.62	4.72	4.15	2.67	1.35	.41	.16	21.88	547
Total	750	.13	.21	.57	1.40	2.45	3.58	4.67	4.11	2.65	1.34	.41	.16	21.68	1,355
				Non-I	Non-Irrigated	Non-Rotat	Non-Rotation & Non-Cropped	Cropped Ph	Phreatophytes						
Water Surfaces	170	.70	1.10	2.20	4.10	00.9	7.50	8.50	7.20	6.20	4.10	2.20	.80	50.60	717
Meadow, W2	810	.13	.21	.42	.92	1.66	2.64	3.96	3.77	2.53	1.35	74.	.16	18.22	1,230
	650	.13	.23	.65	1.44	2.60	4.13	6.19	5.88	3.94	2.11	.73	.24	28.27	1,531
	70	.13	.21	.38	.63	1.03	1.63	2.44	2.32	1.56	. 83	.39	.16	11.71	99
Salt Grass, W2	250	.13	.21	245	.92	1.66	2.64	3.96	3.77	2.53	1.35	74.	.16	18.22	380
Salt Grass, W3	120	.13	.23	.65	1.44	2.60	4.13	6.19	5.88	3.94	2.11	.73	.24	28.27	283
Greasewood, W2	70	.10	.20	.30	.75	1.41	3.27	5.61	5.89	4.12	1,86	.48	.10	24.09	141
Cottonwoods & Willows	170	.10	.22	80.00	2.21	3.87	5.57	7.25	97.9	4.12	2.09	79.	.17	33.58	476
Riparian Vegetation	30	01.	.72	20 20	2.21	3.87	5.57	7.25	97.9	4.12	2.09	. 64	.17	33.58	84
Total	2,340	.17	.28	99.	1.42	2.45	3.72	5.31	96.4	3.42	1.86	69.	.23	25.17	4,910
			Č	4				1		1			,		

Ft. 7,139 1,275 527 76 801 106 259 20 37 224 1,776 320 9,156 127 872 666 253 11,931 Ac. Use Annual 6.80 25.65 18.22 21.80 18.22 28.27 18.22 28.27 24.09 44.75 33.58 Dec: Inches 50.60 21.80 51 20 99 50 9 22. 23. 50. 29. 23. .10 10 .16 .24 .16 .10 80 12 80 12 91. .26 2.20 30 50 30 41 2.20 47 47 73 48 90 64 80 64 2 Nov 77 41 51 TABLE 38. -- Potential consumptive use, Watershed F-3, Panguitch, Sevier River Basin 1.53 4.10 1.29 1.35 4.10 1.35 2.11 1.35 2.11 1.86 3.47 2.09 2.16 1.41 17 09 1.52 Oct Sept 3.09 6.20 2.67 2.53 3.94 2.53 3.94 4.12 7.69 4.12 3.97 2.88 6.20 2.72 35 90 2.51 Phreatophytes 5.89 4.92 2.09 4.15 7.20 4.15 3.77 5.88 3.77 5.88 4.33 7.20 5.77 Aug 60 4.31 54 Acre Feet 6.18 July 3.96 6.19 3.96 6.19 5.61 10.47 7.25 5.63 1.20 5.63 7.89 4.72 5.62 Cropland 8.50 4.72 Non-Rotation & Non-Cropped 8.50 55 4.95 USE RATE, Inches Irrigated Rotation MONTHLY DOMESTIC USE, Non-Rotation 7.50 3.62 3.85 2.64 4.13 2.64 4.13 3.27 6.10 5.57 4.33 4.03 20 4.31 4.36 3.62 4.00 7.50 MONTHLY 2.48 2.69 1.66 2.60 1.66 2.60 2.93 00.9 1.41 2.62 3.87 2.44 43 2.35 00.9 85 May .gated 2. Irrigated April 4.10 .75 1.40 2.21 1.64 .64 1.41 1.57 4.10 .92 1.42 1.37 1.41 1.65 30 March 2.20 2.20 30 .61 91. 57 .65 .65 .65 20 58 99 61 1.10 1.10 22 20 20 20 22 22  $\infty$ 20 .21 .23 .21 .21 Feb .21 .25 30 22 0101 .10 70 10 .13 13 13 13 13 13 .10 .17 .11 2 3,340 840 290 4,850 30 480 510 09 50 340 70 110 10 10 80 730 060,9 380 Cottonwoods & Willows W2 W3 W2 W3 Water Surfaces Water Surface Small Grain Alfalfa Hay Salt Grass, Greasewood, Bare Ground Meadow, W2 Meadow, W3 Salt Grass, TOTAL Greasewood, W2 Pasture Meadow, Total GRAND Total Total

TABLE 39 Potential	tentia		nsumbt 1	consumptive use,	3	atershed F	F-4, Hi	Hillsdale	s, Sevier	er River	er Basin	n			
	•••					MONTHLY	USE RATE,	Inches						Annual	al Use
Crop	Acres:	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec : ]	Dec : Inches /	Ac. Ft.
						200									
Water Surfaces	10	.70	1.00	2.00	4.10	9.00	7.20	8.00	7.00	00.9	4.00	2.20	.80	49.00	41
Alfalfa Hav	260	.13	.21	. 60	1.52	2.76	4.10	5 37	4 70	2 93	1 46	45	16	26 30	5.20
Small Grain	9	01.	20	30	67	2 4	3 77	7.77	2 5%	00	04.1		01.	17 00	000
Pasture	410	.13	.21	64.	1.30	2.32	3.43	4.49	3.94	2.52	1.28	.39	.16	20.66	706
Total	140	.14	.22	.53	1.36	2.39	3.74	5.11	4.13	2.58	1.33	.43	.16	22.12	1,365
					Irri	gated Non	Irrigated Non-Rotation Cropland	Cropland							
Water Surface	30	.70	1.00	2.00	4.10	6.00	7.20	8.00	7.00	00.9	7 00	2.20	CX	00 67	123
Meadow, W1	80	.13	.21	64.	1.30	2,32	3,43	67.4	3.94	2.52	1.28	39	.16	20.66	300
Meadow, W2	150	.13	.21	64°	1.30	2.32	3.43	67.4	3.94	2.52	1.28	.39	.16	20.66	258
Total	260	.20	.30	99.	1.62	2.75	3.87	7.90	4.29	2.92	1.59	09.	.23	23.93	519
				Non-Irrig	rrigated N	ated Non-Rotation		& Non-Cropped Phreatophytes	atophytes						
Water Surfaces	40	.70	1.00	2.00	4.10	00.9	7.20	8.00	7.00	00.9	4.00	2.20	.80	49.00	163
Salt Grass, W2	140	.13	.21	.38	.84	1.59	2.50	3.78	3.60	2.41	1.29	.42	.16	17.31	202
Greasewood, W2	140	.13	.21	.38	.68	1.36	3.09	5.31	5,63	3.89	1.80	.45	.16	23.09	269
Cottonwoods & Willows	vs 150	.13	.21	.77	2.08	3.63	5.28	68.9	6.15	3.94	2.01	.58	.16	31.83	398
Total	470	.18	.28	.64	1.47	2.55	3.96	5.59	5.31	3.64	1.90	.63	.21	26.36	1,032
GRAND TOTAL	1,470	.16	.25	65*	1.44	2.51	3.83	5.23	4.54	2.98	1.56	.52	.19	23.80	2,916

			DAY dimension		WINTHIN	MONTHIV II	MONTHIX 11SF BATE Taches							Annual	Use
Crop	Acres .	Tan	Foh	March	Anril	May	Tune	Tulv	Δ110	Sent	Oct	Nov	Dec :	:Inches	Ac. Ft.
						Irrigated									
Bare Ground Water Surfaces	50	.10	.20	.30	.60	.70	.70	1.20	1.10	06.	09.	.30	.10	00.67	28
Alfalfa Hay Small Grain Pasture	880 220 300	.13	.20	.49	1.5267	2.76	4.10 3.77 3.43	5.37 7.71 4.49	4.70 2.54 3.94	2.93	1.46	.30	.16	24.39 17.82 20.66	1,789
Total	1,460	.13	.22	.53	1.33	2.30	3.82	5.42	4.11	2.49	1.28	.42	.15	22.20	2,702
					Irris	Irrigated Non-	Non-Rotation C	Cropland							
Water Surface Meadow, W1 Meadow, W2	40 270 590	.70	1.00	2.00.2.49	4.10	6.00	7.20	8.00	7.00 3.94 3.94	6.00	4.00 1.28 1.28	2.20	.16	49.00 20.66 20.66	163 465 1,016
Total	006	.16	.24	.56	1.42	2.48	~		4.08	2.67	1.40	74.	.19	21.92	1,644
				Non-Irri	gared	Non-Kotation	n & Non-Cropped		Phreatophytes						
Water Surfaces	10	.70	1.00	2.00	4.10	00.9	7.20	8.00	7.00	00.9	00.4	2.20	.80	00.64	41
Salt Grass, W2	200	.13	.21	.38	.84	1.59	2.50	3.78	3.60	2.41	1.29	.42	.16	17.31	289
Greasewood, W2 Cottonwoods & Willows	110 as 90	.13	.21	.38	2.08	1.36	3.09	5.31	5.63	3.89	1.80	.58	.16	23.09	212 239
Total	410	.14	.23	.51	1.15	2.08	3.38	4.98	4.79	3.23	1.65	.51	.17	22.82	781
GRAND TOTAL	2,770	.14	.23	.54	1.33	2.33	3.68	5.10	4.20	2.66	1.37	.45	.17	22.20	5,127
						MONTHLY D	DOMESTIC USE,	E, Acre-Feet	et						
		1	7	т	4	9	7	∞	7	ſΛ	2	1	0		45

Tributary Inflices   Jan.   Pob.   March   April   May   June   July   Aug.   Sept.   Oct.   Nov.   Dec.   Annual	H	TABLE 41 Average annual water budget,	3	arer siled	Hed A-	6 7	ווחד רוו חפ	Dangere	101 > 10						
Precisions to Rotation Cropland  2 percent to Root Zone  2 percent to Root Zone  4 percent to Root Zone  4 percent to Root Zone  5 percent to Root Zone  4 percent to Root Zone  4 percent to Root Zone  4 percent to Root Zone  5 percent to Root Zon			Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Differentiation Cropland  240 percent to Root Zone  4479		Tributary Inflow	3590	3370	4160	5780	17850	26140	9530	4880	4010	4000	3890	3800	91000
Sepercent to Root Zone Wells  40 percent to Root Zone  51		Diversions to Rotation Cropland				7170	18430	24480	11330	6780	5360	6370			79920
Wells         40         1330         640         1330         640           40 percent to Root Zone         2370         2440         2230         2080         1920         1690         1690         150         2240         150         250           Precipitation on Rotation Cropland         2370         2440         2230         2080         1920         1690         1690         1690         150         2040         1510         2040         1510         2040         1510         2040         1510         2040         1510         2040         1510         2040         1510         2040         1510         2040         1510         2040         1510         2040         1510         2040         1510         2040         1510         2040         1510         2040         1510         2050         1050         1050         14260         420         1120         420         1120         420         1120         420         1120         420         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000		26 percent to Root Zone				1860	4790	6370	2950	1760	1390	1660			20780
40 percent to Root Zone Precipitation on Rotation Cropland Direct Use from Octound Water Supply Less Potential Consumptive Use Fortund Water Surface Evaporation  2370 2440 2230 2080 1920 1650 2240 1550 2240 1560 2240 1560 2260 1850 2530 2500  Direct Use from Octound Water Surface Evaporation  2370 2440 2230 4450 7750 10100 7170 6040 4130 3960 1850 2330 2500  Potential Consumptive Use for Rotation Cropland 280 530 1910 670 880 480 -24.00 -7090 -4450 7200 3960 3970 7270 12500 4450 7200 -4450 7200 3960 3970 7270 12500 4450 7200 4450 7200 3960 3960 3960 3960 3960 14050 6940 4130 3960 1120 430 5100 4960 7200 4450 7200 7200 7200 7200 7200 7200 7200 72		Wells						049	1330	1330	049				3940
Precipitation on Rotation Cropland  Jan 2440 2230 2860 1920 1650 1650 1550 1560 2240 1560 2240 1560 2240 1560 2300 2330  Direct Use from Ground Water  Total Supply to Root Zone  Root Zone Supply less Potential Consumptive Use for Rotation Cropland  Accumalited Soil Moisture  Consumptive Use Each maximum capacity)  Accumalited Soil Moisture  Consumptive Use and Water  Accumalited Soil Water  Accumalited Soil Moisture  Consumptive Use and Water Surface Evaporation  350 350 350 350 350 350 350 350 350 350		40 percent to Root Zone						260	530	530	260				1580
Direct Use from Ground Water  Total Supply to Root Zone  Potential Consumptive Use for Rotation Cropland  280 530 1560 5370 7270 12500 14260 10490 6390 3540 1120 430 680  Root Zone Supply less Potential Consumptive Use  Root Supply to Wet Lands and Water Surface Evaporation  3540 5360 5370 7250 8800 9280 6880  0 480 - 2400 - 7090 - 4450 6240 730 730 730 7270  Consumptive Use and Water Surface Evaporation  3660 530 530 7250 7250 8800 9280 6880  0 6450 6450 7260 7260 7260 7260 7260 7260 7260 726		Precipitation on Rotation Cropland	2370	2440	2230	2080	1920	1690	1650	2240	1560	2300	1850	2530	24860
Total Supply to Root Zone  Potential Consumptive Use for Rotation Cropland  280 530 1560 3570 7720 10100 7170 6040 4130 3960 1850 2530 5590  Root Zone Supply less Potential Consumptive Use  Root Zone Supply to Wet Lands and Ground Water  Solo Solo Solo Solo Solo Solo Solo Sol		Direct Use from Ground Water				510	1040	1780	2040	1510	920				7800
Potential Consumptive Use for Rotation Cropland  Root Zone Supply less Potential Consumptive Use  Root Zone Sone Sone Insurance Evaporation  Root Zone Sone Sone Insurance Evaporation  Root Zone Sone Sone Insurance Evaporation  Root Zone Sone Sone Insurance Evaporation  Root Zone Sone Insurance Evaporation  Root Zone Sone Sone Insurance Evaporation  Root Zone Sone Sone Insurance Evaporation  Root Zone Sone Insurance Evaporation  Root Zone Sone Insurance Evaporation  Root Zone Sone Sone Insurance Evaporation  Root Zone Sone Insurance Evaporation  Root Zone Sone Sone Insurance Evaporation  Root Zone Sone Sone Insurance Evaporation  Root Zone Sone Insurance Evaporation  Root Zone Sone Sone Insurance Evaporation  Root Zone So		Total Supply to Root Zone	2370	2440	2230	4450	7750	10100	7170	0709	4130	3960	1850	2530	55020
Live Use         2090         1910         670         880         480         -2400         -7090         -4450         -2260         420         730         2100         -           5340         7250         7920         8800         9280         6880         0         0         0         4450         2260         1150         3250           280         530         1560         3570         7270         12500         14050         6040         4130         3540         1120         430         5           350         50         90         170         290         360         450         450         290         160         60         30         3770         5           3560         3320         4070         3240         11730         17370         3560         630         1150         2180         3830         3770         5		Potential Consumptive Use for Rotation Cropland	280	530	1560	3570	7270	12500	14260	10490	6390	3540	1120	430	61940
5340         7250         8800         9280         6880         0         0         0         420         1150         3250           280         530         1560         3570         7270         12500         14050         6040         4130         3540         1120         430         5           30         50         90         170         290         360         450         290         160         60         30           3560         3320         4070         3240         11730         17370         3560         630         1150         2180         3830         3770         5		Root Zone Supply less Potential Consumptive Use	2090	1910	029	880	480	-2400	- 7090	-4450	-2260	420	730	2100	-6920
280         530         1560         3570         7270         12500         14050         6040         4130         3540         1120         430         5           30         50         90         170         290         360         450         450         290         160         60         30           3560         3320         4070         3240         11730         17370         3560         630         1150         2180         3830         3770         5		Accumulated Soil Moisture (22,700 acre feet maximum capacity)	5340	7250	7920	0088	9280	6880	0	0	0	420	1150	3250	0
280         530         1560         3570         7270         12500         14050         6040         4130         3540         1120         430         5           30         50         90         170         290         360         450         290         160         60         30           3560         3320         4070         3240         11730         17370         3560         630         1150         2180         3830         3770         5		Consumptive Use Deficit							210	4450	2260				6920
30 50 90 170 290 360 450 450 290 160 60 30 3560 3320 4070 3240 11730 17370 3560 630 1150 2180 3830 3770 5		Actual Consumptive Use, Rotation Cropland	280	530	1560	3570	7270	12500	14050	0709	4130	3540	1120	430	55020
30 50 90 170 290 360 450 450 290 160 60 30 3560 3320 4070 3240 11730 17370 3560 630 1150 2180 3830 3770 5		Addition to Ground Water													0
3560 3320 4070 3240 11730 17370 3560 630 1150 2180 3830 3770		Domestic Use and Water Surface Evaporation	30	20	06	170	290	360	450	450	290	160	09	30	2430
		Supply to Wet Lands and Ground Water	3560	3320	4070	3240	11730	17370	3560	630	1150	2180	3830	3770	58410

1	Jan. Feb. Mar. Ap	Jan.	Feb.	Mar.	April	ril May	June	ادا	uly Aug. Sept. Oc	Sept.	Oct.	Nov.	Dec.	Annual
	Tributary Inflora	1150	000	020	0001	1050	07.70	0100	1070	1700	Cart	17,30	1360	18500
	illudeary filtiow	1130	060	00%	1020	1000	7410	7007	1970	1/00	1700	TATO	TOOCT	707
	Diversions to Rotation Cropland				920	1510	1900	2000	1880	1630	1500			11340
	30 percent to Root Zone				270	450	570	009	260	490	450			3390
	Wells						300	310	310	150				1070
	40 percent to Root Zone						120	210	120	09				420
	Precipitation on Rotation Cropland	082	810	750	700	049	260	550	750	520	770	610	840	8280
	Direct Use from Ground Water				160	330	570	650	480	300	160			2650
	Total Supply to Root Zone	780	810	750	1130	1420	1820	1920	1910	1370	1380	610	840	14740
4	Potential Consumptive Use for Rotation Cropland	06	170	200	1140	2330	4000	4570	3360	2050	1140	350	140	19840
	Root Zone Supply Less Potential Consumptive Use	069	049	250	-10	-910	-2180	-2640	-1450	-680	240	260	700	-5100
	Accumulated Soil Moisture (7280 acre feet maximum capacity)	1890	2530	2780	2770	1860					240	200	1200	0
	Consumptive Use Deficit						320	2650	1450	089				5100
	Actual Consumptive Use, Rotation Cropland	06	170	200	1140	2330	3680	1920	1910	1370	1140	350	140	14740
	Addition to Ground Water													0
	Domestic Use and Water Surface Evaporation	10	10	20	20	70	100	120	120	80	04	20	10	650
	Supply to Wet Lands and Ground Water	1140	880	930	550	1000	1050	069	069	770	930	1410	1350	11390
1					The state of the s									

Tributary Inflow  Diversions to Rotation Cropland  30 percent to Root Zone  Wells  40 percent to Root Zone  Precipitation on Rotation Cropland  Direct Use from Ground Water  Total Supply to Root Zone  Potential Consumptive Use for Rotation Cropland  Root Zone Supply less Potential Consumptive Use  (9490 acre feet maximum capacity)  Consumptive Use Deficit  Actual Consumptive Use, Rotation Cropland  110 220 640 1490 3030  Accumulated Soil Moisture  (9490 acre feet maximum capacity)  Accumulated Soil Moisture  Consumptive Use Deficit  Actual Consumptive Use, Rotation Cropland  110 220 640 1490 3030			2410	Aug.	oepr.		2001		Alling
Rotation Cropland	0000	01011	2200	1370	000	07/8	200	640	31000
versions to Rotation Cropland       440         percent to Root Zone       860       1030       1080       1010         t Use from Ground Water       860       1030       1080       1010         Supply to Root Zone       860       1030       1080       1660         Lial Consumptive Use for Rotation Cropland       110       220       640       1490         Zone Supply less Potential Consumptive Use       750       810       440       170         cumulated Soil Moisture       490 acre feet maximum capacity)       1720       2530       2970       3140         mptive Use Deficit       110 consumptive Use, Rotation Cropland       110       220       640       1490	0600	11410	2670	1010		) h		2	3
percent to Root Zone  percent to Root Zone  pitation on Rotation Cropland  t Use from Ground Water  Supply to Root Zone  tial Consumptive Use for Rotation Cropland  Cone Supply less Potential Consumptive Use  440 acre feet maximum capacity)  mptive Use Deficit  Consumptive Use, Rotation Cropland  110 220 640 1490  210  220 640 170  2110  220 640 1490  2210  2310  240  2530  2570  2	8890	11210	3290	1370	006	840			27950
percent to Root Zone pitation on Rotation Cropland t Use from Ground Water Supply to Root Zone  Supply to Root Zone tial Consumptive Use for Rotation Cropland  Cone Supply less Potential Consumptive Use Typo acre feet maximum capacity)  mptive Use Deficit 110 220 640 1490  170 2530 2970 3140  110 Consumptive Use Deficit 11 Consumptive Use, Rotation Cropland 11 Consumptive Use, Rotation Cropland 11 Consumptive Use Deficit	2670	3360	066	410	270	250			8390
860     1030     1080     1010       860     1030     1080     1660       110     220     640     1490       750     810     440     170       1720     2530     2970     3140       110     220     640     1490		1610	1660	1660	800				5730
860     1030     1080     1010       860     1030     1080     1660       110     220     640     1490       750     810     440     170       1720     2530     2970     3140       110     220     640     1490		079	099	099	320				2280
210 860 1030 1080 1660 110 220 640 1490 750 810 440 170 1720 2530 2970 3140 110 220 640 1490	910	069	650	670	067	930	740	870	9930
860     1030     1080     1660       110     220     640     1490       750     810     440     170       1720     2530     2970     3140       110     220     640     1490	430	740	850	630	380	210			3450
110     220     640     1490       750     810     440     170       1720     2530     2970     3140       110     220     640     1490	4010	5430	3150	2370	1460	1390	740	870	24050
750     810     440     170       1720     2530     2970     3140       110     220     640     1490	3030	5210	2940	4370	2660	1470	097	180	25780
sture       num capacity)     1720     2530     2970     3140       Rotation Cropland     110     220     640     1490	980	220	-2790	-2000	-1200	-80	280	069	-1730
Rotation Cropland 110 220 640 1490	4120	4340	1550				280	970	0
110 220 640 1490				450	1200	80			1730
	3030	5210	2940	3920	1460	1390	460	180	24050
Addition to Ground Water									0
Domestic Use and Water Surface Evaporation 10 20 40 70 1	110	150	190	190	120	09	30	10	1000
Supply to Wet Lands and Ground Water 580 500 560 730 56	2680	6320	009	-520	-190	320	029	630	15880

|-1

T	IABLE 44 Average annual water budget, watershed A-4,	L, Wa	tersh	ed A-4	, Manti,		Sevier	Kiver	Basın					
		Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
	Tributary Inflow	790	570	570	810	5940	12000	3320	1610	1140	046	770	720	29180
	Diversions to Rotation Cropland				820	5940	12000	3320	1610	1140	570			25400
	30 percent to Root Zone				250	1780	3600	1000	480	340	170			7620
	Wells							1410	1410	089				3500
	40 percent to Root Zone							260	260	270				1390
	Precipitation on Rotation Cropland	620	740	780	730	650	510	470	200	350	099	530	630	7170
	Direct Use from Ground Water				140	290	490	260	420	260	140			2300
- 5	Total Supply to Root Zone	620	740	780	1120	2720	7600	2590	1960	1220	970	530	630	18480
	Potential Consumptive Use Rotation Cropland	80	140	410	950	1940	3320	3800	2790	1700	950	300	110	16490
	Root Zone Supplies less Potential Consumptive Use	240	009	370	170	780	1280	-1210	-830	-480	20	230	520	1990
	Accumulated Soil Moisture (6030 acre feet maximum capacity)	4820	5420	5790	2960	6030	9030	4820	3990	3510	3530	3760	4280	0
	Consumptive Use Deficit													0
	Actual Consumptive Use Rotation Gropland	80	140	410	950	1940	3320	3800	2790	1700	950	300	110	16490
	Addition to Ground Water					710	1280							1990
	Domestic Use and Water Surface Evaporation	10	20	40	80	120	160	200	190	130	70	30	20	1070
	Supply to Wet Lands and Ground Water	780	550	530	340	0944	9030	1000	-40	140	260	740	700	18790

	TABLE 45 Average annual water budget		summary,		Sub-basin	A, Sa	Sanpete	Valley	•	Sevier Ri	River B	Basin		
		Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
	Tributary Inflow	6120	5350	6280	9070	34530	51760	18320	9830	7750	7360	0629	6520	169680
	Diversions to Rotation Cropland				10360	34770	49590	19940	11640	9030	9280			144610
	Amount to Root Zone				2820	0696	13900	5540	3210	2490	2530			40180
	Wells						2550	4710	4710	2270				14240
	40% to Root Zone						1020	1870	1870	910				5670
	Precipitation on Rotation Cropland	4630	5020	0787	4520	4120	3450	3320	4160	2920	0997	3730	4870	50240
	Direct Use from Ground Water				1020	2090	3580	4100	3040	1860	510			16200
	Total Supply to Root Zone	4630	5020	0484	8360	15900	21950	14830	12280	8180	7700	3730	4870	112290
	Potential Consumptive Use for Rotation Gropland	260	1060	3110	7150	14570	25030	28570	21010	12800	7100	2230	860	124050
	Root Zone Supply less Potential Consumptive Use													-11760
. 7	Accumulated Soil Moisture													0
	Consumptive Use Deficit						320	2860	6350	4140	80			13750
	Actual Consumptive Use, Rotation Cropland	260	1060	3110	7150	14570	24710	25710	14660	8660	7020	2230	860	110300
	Addition to Ground Water					710	1280							1990
	Domestic Use and Water Surface Evaporation	09	100	190	370	290	770	096	950	620	330	140	70	5150
	Supply to Wet Lands and Ground Water	0909	5250	0609	4860	22870	33770	5850	160	1870	3990	0599	0420	104470
	Precipitation on Wet Lands	3720	4060	3960	3720	3370	2790	2670	3290	2340	3780	3020	3920	07907
	Consumptive Use on Wet Lands	580	1040	2830	5970	11130	17680	26210	25450	16910	0076	2970	1080	121250
	Outflow and Change in Ground Water Storage	9200	8270	7220	2610	15110	18880	-17690	-21400	-12700	-1630	0029	9290	23860
	Outflow, Surface	1470	1470	1330	1610	1230	4980	7360	1080	10	140	089	1500	22860
	Outflow, Ground Water	70	09	09	09	70	20	220	320	50	0	10	30	1000

TABLE 46. -- Average annual water budget, Watershed B-1, Levan, Sevier River Basin

	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
Tributary Inflow	290	260	420	1240	4040	1760	850	290	067	320	320	260	10,840
Diversions to Irrigated Cropland		100	320	930	3030	1320	049	077	370	240	120		7,510
25% to Root Zone	ı	30	80	230	760	330	160	110	06	09	30	•	1,880
Wells	1	1	1	,	160	370	380	380	370	160		1	1,820
40% to Root Zone	1	1	1	1	09	150	150	150	150	70	ı	1	730
Precipitation on Irrigated Cropland 1/	550	290	720	099	290	360	300	380	300	260	780	290	6,080
Direct Use from Ground Water	1	•	1	1	1	1	•	,	1	1	1	ŧ	4
Total Supply to Root Zone	550	620	800	068	1410	840	610	049	240	069	510	290	8,690
Dotonttol of the Terrisotod Crosland	100	140	320	610	14.00	2630	2770	1660	1080	600	240	120	11.670
Root Zone Supply less P.C.II.	450	480	480	280	10	-1790	-2160	-1020	- 540	06	270	470	-2,980
Soil Moisture Storage (Max. Cap. 3210 AF)	1280	1760	2240	2520	2530	740	0	0	0	06	360	830	
		-					0	0					000
Consumptive Use Deficit	1 0	1 >	1 0	1 5		1 (	1250	0701	040	1 0	0.70	120	0 690
Actual Consumptive Use, Irrigated Cropland	700	140	320	010	1400	7630	1350	040	240	000	740	071	0,000
Addition to Ground Water													
Domestic Use & Water Surface Evaporation	0	10	20	30	07	09	09	20	07	20	10	0	340
Outflow & Change in Ground Water	290	220	320	980	3180	1220	480	280	210	170	280	260	7,890
Outflow, Surface Water Outflow, Ground Water	097	430	420	760	069	710	680	630	580	530	200	780	6,570
Total Outflow	200	760	470	610	1180	930	780	700	079	570	240	510	7,890

1/ Includes 1310 acres of dry land.

Surface Water   Aug.														
face Water  440 430 420 460 690 710 680  signs to Irrigated Cropland 40 40 40 40 40 40 40 40 40 40 40 40 40		Jan	Feb	March	April	Мау	June	July	Aug	Sept	Oct	Nov	Dec	Annual
## Comparison of the following special partial control water and w	Inflow From B-1													
ound Water  List Coround Water  Consumptive Use Deficit  Not Cardiace Reservoir & 450  List Coround Water  Local Corpland  Local Corpland  List Coround Water  Local Corpland  Local Corpland  List Coround Water  Local Corpland  Local Corpland  Local Corpland  List Coround Water  Local Corpland  Local Corpland  Local Corpland  List Coround Water  Local Corpland  Local Corpland  Local Corpland  Local Corpland  List Coround Water  Local Corpland	Surface Water	70	30	50	150	067	220	100	70	09	04	70	30	1,320
State   Control Water   Cont	Ground Water	460	430	420	760	069	710	680	630	580	530	200	780	6,570
sions to Irrigated Cropland -	Tributary Inflow	240	210	340	066	3240	1410	680	470	390	260	260	210	8,700
The Root Zone Supply less P.C. U. Supply less	Diversions to Irrigated Cropland		80	250	740	2430	1070	510	350	290	200	100	1	6,020
National Color C	25% to Root Zone	ı	20	09	190	610	270	130	06	70	50	20	1	1,510
Name		٠			•	07	70	80	80	70	70	ı	ı	380
1,   310   340   420   380   340   210   170     10	to Root Zone	1	1	ı	•	10	30	30	30	30	20	ŧ	ı	150
ap. 1930		310	340	420	380	340	210	170	220	170	330	280	340	3,510
Cropland 60 100 210 430 870 1490 1720 1.0.   The standard Factor of Cropland 60 100 210 430 870 1490 1720 1720   The standard Factor of Cropland 60 100 210 230 250 250 1750 1720   The standard Factor 840 210 210 210 210 210 210 210 210 210 21	Direct Use from Ground Water	10	20	07	06	160	230	310	270	170	06	30	10	1,430
Let See 100 210 230 250 -7550 -1080 -1080 -1080 250 250 -7550 -1080 -1080 250 250 -7550 -1080 250 -7550 -1080 250 250 -7550 -1080 250 250 250 250 250 250 250 250 250 25	Total Supply to Root Zone	320	380	520	099	1120	740	049	610	077	067	330	350	009'9
260 100 1310 250 1750 1750 1750 1750 1750 1750 1750 17		0	1	010	7.30	070	1,000	1720	1000	700	7.20	150	a	7 57.0
260         280         310         250         250         -1060         -1060           -	Potential C.U. for Irrigated Cropland	000	000	210	0000	0/0	1490	1000	1220	06/	100	001	000	0,00
	Root Zone Supply Less P.C.U.	780	1060	310	1600	1050	1100	1000	010-	000-	70	250	520	2 240
-         -	Accumulated Soli Moisture (Max Cap. 1930	00/	TOPO	13/0	7000	1000	0011	0.7	>	>	2	2007	0.40	
60         100         210         430         870         1490         1720           -         10         10         1310         3620         330         30           530         520         1310         3620         1780         960           40         170         190         170         100         90           40         110         210         170         100         90           470         110         1290         3400         1240         -10           470         440         430         470         710         740         70           40         50         60         50         50         380         20           30         40         110         170         290         380         70           49         1890         1600         60         60         60         70           490         1890         1600         860         610         560           -         -         230         220         240         370         380         360		,	ı	1		1	1	•	590	350	ı	ı	í	076
-         10         10         10         3620         30         30           150         170         1310         3620         1780         960           40         170         210         190         170         100         90           40         110         210         390         640         1060         90           840         730         1290         3400         1240         -10           470         440         430         470         710         740         70           50         60         50         50         380         380         20           50         60         60         60         60         70         70           50         60         60         60         60         70         70           490         1890         1600         860         610         560         560           -         -         230         220         240         370         380         360	Actual Consumptive Use Irrigated Cropland	09	100	210	430	870	1490	1720	630	077	420	150	80	009,9
-         10         10         10         3620 <td></td>														
730         620         700         1310         3620         1780         960           450         170         210         190         170         100         90           460         110         210         340         640         1060         90           470         440         430         470         710         740         710           470         460         50         50         30         20           30         40         110         170         290         380           30         40         110         170         50         60         70           50         50         60         60         60         60         70           50         50         60         60         60         60         70           490         1890         1600         860         610         560           40         230         220         240         370         380         360	Addition to Ground Water		10	10	01	20	30	30	30	20	10	10	1	180
150         170 <td>vater surrace Evaporation</td> <td>730</td> <td>620</td> <td>700</td> <td>1310</td> <td>3620</td> <td>1780</td> <td>960</td> <td>750</td> <td>740</td> <td>660</td> <td>740</td> <td>710</td> <td>13 320</td>	vater surrace Evaporation	730	620	700	1310	3620	1780	960	750	740	660	740	710	13 320
40         60         110         210         390         640         1060           840         730         800         1290         3400         1240         -10           470         440         430         470         710         740         700           40         50         60         60         50         30         20           50         60         60         60         60         70           50         110         170         290         380         380           50         60         60         60         60         70           490         1890         1600         860         610         320           -         230         220         240         370         380         360	oupply to werlands & Ground water	150	170	210	190	170	100	06	110	080	160	140	170	1.740
840         730         800         1290         3400         1240         -10<	Consumptive Use, Wetlands	40	09	110	210	390	079	1060	1040	710	360	130	09	4,810
470         440         430         470         710         740         700           40         50         60         50         50         30         20           30         40         110         170         290         380         380           50         50         60         60         60         70           1490         1890         1980         1600         860         610         70           -         -         230         670         1150         580         560           240         230         220         240         370         380         360	Inflow to Chicken Cr. Reservoir & Ground Wat	er 840	730	800	1290	3400	1240	-10	-180	110	097	750	820	10,250
40         50         60         50         50         30         20           30         40         110         170         290         380         380           50         50         60         60         60         70           1490         1890         1980         1600         860         610         320           240         230         220         240         370         380         360	Inflow to Chicken Creek Reservoir	470	077	430	470	710	740	700	650	009	550	520	067	6,770
30         40         110         170         290         380         380           50         50         60         60         60         70           1490         1890         1980         1600         860         610         320           -         -         230         670         1150         580         560           240         230         220         240         370         380         360	Precipitation	70	20	09	50	20	30	20	30	20	50	07	20	064
50         50         60         60         60         60         70           1490         1890         1980         1600         860         610         320           -         -         230         670         1150         580         560           240         230         220         240         370         380         360	Fvanoration	30	40	110	170	290	380	380	330	270	160	100	30	2,290
1490     1890     1980     1600     860     610     320       -     -     230     670     1150     580     560       240     230     220     240     370     380     360	Seedage	50	50	09	09	09	09	70	70	70	09	90	07	700
1490 1890 1980 1600 860 610 320 - 230 670 1150 580 560 240 230 220 240 370 380 360	Accumulated Reservoir Storage						1	6	1	Ć		ć t	4	
230 670 1150 580 560 240 230 220 240 370 380 360	(Max Cap. 2,000 A.F.)	1490	1890	1980	1600	860	019	320	001	0	180	290	1060	
240 230 220 240 370 380 360	Outflow from Chicken Creek Reservoir	1		230	029	1150	280	260	200	380	200	4		4,270
	Ground Water Outflow	240	230	220	240	370	380	360	330	310	280	270	250	3,480
	oronia warer currow		b :											

1/ Includes 610 acres of dry land.

TABLE 48. -- Average annual water budget, Watershed B-2B, Mills, Sevier River Basin

		Jan	Feb	March	April	Мау	June	July	Aug	Sept	Oct	Nov	Dec	Annual
	Diversions to Irrigated Cropland (Chicken Creek Reservoir Releases) 25% to Root Zone		1 1	230	670	1150	580	560	500	380	200	1 1	8 8	4,270
	Precipitation on Irrigated Cropland	100	100	130	120	100	09	50	70	50	100	06	110	1,080
	Direct Use from Ground Water	10	10	20	50	80	120	170	150	06	40	10	10	760
	Total Supply to Root Zone	110	110	210	340	470	320	360	340	240	190	100	120	2,910
	Potential C.U. for Irrigated Cropland Root Zone Supply less P.C.U. Soil Moisture Storage (Max. Cap. 900 AF)	30 80 200	40 70 270	90 120 390	190	380	-300	750 -390	560 - 220	360	190	30	30	3,310
	Consumptive Use Deficit	8 6	1 -	8 0	1 (	\$ 6 5 6	) 1 (	09	220	120	b 6 1	) s		004
. 6	Actual Consumptive Use Irrigated Uropland	30	9.	0.6	190	380	079	069	340	240	190	0/	30	2,910
0	Addition to Ground Water													
-	Domestic Use & Water Surface Evaporation		ı	1	10	10	10	10	10	10		ı	1	09
	Ground Water Inflow from B-2A	290	280	280	300	430	077	430	400	380	340	320	290	4,180
	Supply to wet Lands & Ground water Precipitation on Wet Lands	130	140	170	160	1200	90	0/9	90	560	450 140	310	280	6,560
	Consumptive Use Wet Lands	09	70	150	280	470	069	1020	096	650	350	130	70	4,900
	Outflow & Change in Ground Water	350	340	450	620	870	150	-280	-250	-20	240	300	350	3,120
	Outflow, Surface Water	1	20	09	130	220	09	10	,	,	ı	ı	ı	200
	Outflow, Ground Water	180	170	170	180	280	290	270	250	230	210	200	190	2,620
	Total Outflow	180	190	230	310	200	350	280	250	230	210	200	190	3,120

TABLE 49 Average annual water budget, Watershed B-3,	Water	budget,	Waters	hed B-3		Tintic Wash,	n, Sev	Sevier River Basin	er Bas	in			
	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
River Inflow - Surface Water	410	420	1290	12250	40320	24650	29560	17520	8570	2060	1500	370	138,920
Ground Water	110		130	150	150	150	120	110	100	100	100	120	1,460
Inflow from B-2B	180	190	230	310	200	350	280	250	230	210	200	190	3,120
Inflow from B-4	1200	1140	1110	1200	1820	1880	1790	1660	1530	1400	1330	1270	17,330
Tributary Inflow Canyon Mtns. (Ivy Cr.)	270	230	230	230	330	520	480	450	400	380	340	330	4,190
Tributary Inflow Tintic Wash (B-1)	30	30	50	130	077	190	06	09	90	40	07	30	1,180
Precipitation on Wetlands	260	280	340	310	280	170	150	180	140	270	230	280	2,890
Consumptive Use, Wetlands	99	80	180	310	520	820	1300	1280	880	450	160	70	6,110
Outflow & Change in Ground Water	2400	2330	3200	14270	43320	27090	31170	18950	10140	4010	3580	2520	162,980

12,690 7,200 10,040 3,010 6,080 9,090 4,280 1,390 5,390 2,790 17,330 11,880 17,330 Annual 210 60 60 1670 130 80 ŧ .590 1180 100 670 110 250 300 1650 1650 130 350 650 230 70 560 630 110 580 1380 60 600 1110 290 400 Sevier River Basin 160 890 1370 100 800 1050 780 790 240 440 680 2380 830 1780 530 360 890 130 940 1430 80 840 140 610 1940 90 910 1750 890 380 770 Scipio, 190 380 380 1320 120 700 5560 570 4170 1250 Watershed B-4, 200 200 1050 1120 1420 1100 540 580 1180 540 - 099 March 1110 1230 1230 160 260 450 450 400 710 710 710 710 710 710 TABLE 50. -- Average annual water budget 60 1250 150 110 150 7380 30 650 680 220 50 1430 140 70 Potential Consumptive Use on Irrigated Cropland Accumulated Reservoir Storage (Cap. 7600 AF) Consumptive Use above Scipio Reservoir Domestic Use & Water Surface Evaporation Precipitation above Scipio Reservoir Root Zone Supply less P.C.U. Accumulated Soil Moisture Storage Total Inflow above Scipio Reservoir Total Inflow below Scipio Reservoir Precipitation on Irrigated Cropland Diversions to Irrigated Cropland Outflow & Change in Ground Water Consumptive Use Deficit Actual C.U. Irrigated Cropland Outflow from Sciplo Reservoir Inflow into Scipio Reservoir (Max Cap. 3480 Ac. Ft.) Total Supply to Root Zone Addition to Ground Water Outflow, Ground Water 30% to Root Zone By-Passed Flow Precipitation Evaporation

	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
River Inflow	1440	1750	0767	12470	40180	26960	31680	20030	11880	4830	7800	2020	162,980
Diversions - Central Utah Canal (Fool Cr.Res)1300	1300	1680	1500	1	1	1	1	1	ı	2970	3380	1970	12,800
Tributary Inflow	077	470	780	2620	5480	2410	860	580	430	077	430	077	15,380
Diversions			1320	3520	14450	8170	9270	5390	4020	930	230	1	47,300
Supply to Root Zone	ı	1	210	720	2160	1180	1110	750	550	180	20	ı	6,910
Wells	ı	ı	1	330	350	340	350	350	340	330	1	ı	2,390
40% to Root Zone	1	1	•	130	130	140	150	150	140	120	1	ı	096
Precipitation on Irrigated Cropland	019	650	750	740	089	410	290	510	320	630	570	009	6,760
Direct Use from Ground Water	•	1	10	20	040	20	70	09	07	20	10	1	320
Total Supply to Root Zone	610	650	970	1610	3010	1780	1620	1470	1050	950	630	009	14,950
Potential C.U. Irrigated Cropland	170	240	260	1110	2450	4250	4630	3500	2070	1110	380	190	20,660
Root Zone Supply, less P.C.U.	0440	410	410	200	260	-2470	-3010	-2030	-1020	-160	250	410	-5,710
Soil Moisture Storage (Max. Cap. 6130 AF)	1100	1510	1920	2420	2980	510	0	0	0	0	250	099	
Consumptive Use Deficit	1	,	6	1	1	•	2500	2030	1020	160	ı	1	5,710
Actual C.U. on Irrigated Cropland	170	240	260	1110	2450	4250	2130	1470	1050	950	380	190	14,950
Addition to Ground Water		C	0		1	C	C	Č.		C	C		
Domestic Use & Water Surface Evaporation	1880	2000	5470	14180	07	27910	31120	19560	11520	30	5150	2460	169 630
Supply to wertains & stoning water	000	2011	7	00111	1		1		)		)	)	000,000
Precipitation on Wetlands Wetland Consumptive Use	290	300	360	350	320	190	1590	240	1020	300	270	280	3,190
FOOL CREEK RESERVOIR BUDGET													
Inflow to Fool Creek Reservoir	1170	1510	1350	•		1	ı	'	·	2670	3040	1770	11,510
Precipitation	160	170	200	190	170	110	70	130	80	160	150	160	1,750
Evaporation	30	09	140	270	390	510	530	460	350	210	140	07	3,130
Total Consumptive Use, Phreatophytes	50	50	110	210	350	450	620	590	380	240	100	000	3,200
Direct Use from Ground Water, Phreatophytes	50	250	300	210	300	300	250	200	100	100	150	190	1,590
Seepage	200	057	10180	8760	0/6	4270	2400	890		2350	5210	6910	7,030
Accuminated occurate	10	140	160	920	1790	1130	730	540	220	10	04	0	2,690
Tributary Ground Water Inflow	1620	1600	1570	1110	029	009	570	530	490	990	1130	1560	12,440
Outflow & Change In Ground Water Outflow, Ground Water & Ground Water Storage	1570	1320	2680	3900	8540	3930	2900	1800	1460	-300	-380	1000	28,420
Outflow Rool Creek	10	140	160	920	1790	1130	730	540	220	10	07	0	5,690
Outflow Canal		ı	390	570	5210	3130	4340	1990	1520	150	1	1	17,300
	1120	1360	2930	10930	29880	3090	23060	15080	8180	3150	3730	1570	121,600
Outflow, Ground Water	1970	10/0	OTOT	1710	0007		000	07/7	0101	0/11	0011	0007	074,07
Total 0,1 tflow	2100	2270	2000	17.200	20070	27060	31060	20330	12630	2600	2060	3650	172 010

TABLE 52. -- Average annual water budget, Watershed B-6, McCormick-Holden, Sevier River Basin

	Jan	Feb	March	April	May	June	July	Aug	Sept	0ct	Nov	Dec	Annual
Tributary Inflow	6/0	680	117.0	3780	7010	37.90	1200	0,70	063	67.0	630	67.0	076 66
יייי מרמי ל דווד דמא	040	000	7.140	00/5	016/	2400	0477	040	070	040	000	040	77,740
Diversions to Irrigated Cropland 55%	ı	1	310	2080	4350	1920	089	097	340	350	ı	1	10,490
25% to Root Zone	1	,	80	520	1090	480	170	120	80	80	ı	,	2,620
Central Utah Canal Inflow	1		390	570	5210	3130	4340	1990	1520	150	ı	ı	17,300
Canal Losses in B-6	1	1	250	290	2300	1280	1930	1060	770	110	1	1	7,990
Farm Headgate Deliveries	1	1	80	120	1280	800	930	065	410	07	ı	1	4,150
40% to Root Zone	ı	•	30	50	510	320	370	200	160	20	1	t	1,660
Wells	1	ı	8 5	550	550	550	550	550	550	1	1	1	3,300
40% to Root Zone	1	1	ł	220	220	220	220	220	220	1	1	1	1,320
Direct Use from Ground Water	ŧ	1	10	20	40	70	70	50	30	20	10	1	320
Precipitation on Irrigated Cropland	260	610	089	260	065	290	270	320	210	410	094	480	5,340
Total Supply to Root Zone	260	610	800	1370	2350	1380	1100	016	700	530	470	480	11,260
Potential C.U. for Irrigated Cropland	150	200	760	910	1970	3420	3780	2790	1650	890	340	160	16.720
Root Zone Supply Less P.C.U.	410	410	340	095	380	-2040	-2680	-1880	-950	-360	130	320	-5,460
Accumulated Soil Moisture Max. Cap. 4920 AF)	098	1270	1610	2070	2450	410	0	0	0	0	130	450	
Consumptive Use Deficit	1	ŧ		1	1	ı	2270	1880	950	360	ı	ı	2,460
Actual Consumptive Use Irrigated Cropland Addition to Ground Water	150	200	097	910	1970	3420	1510	910	700	530	340	160	11,260
Domestic Use & Water Surface Evaporation	10	10	20	30	50	09	09	09	07	20	10	10	380
Central Utah Canal Outflow	1	,	09	160	1630	1050	1480	077	340		ı	1	5,160
Supply to Wetlands & Ground Water	630	029	1330	3350	9580	4410	3210	1740	1270	650	610	630	28,080
Precipitation on Wetlands	920	1010	1140	930	820	067	450	530	350	680	760	790	8,870
Consumptive Use, Wetlands 125%	180	220	097	870	1500	2210	3330	3220	2170	1260	200	230	16,150
Other Outflow & Change in Ground Water	1370	1460	2010	3410	8900	2690	330	-950	-550	70	870	1190	20,800
Ground Water Outflow	1440	1370	1330	1440	2190	2260	2150	1990	1830	1680	1600	1520	20,800

	•				,		100	V	4 1 1 2	400	Moss	Dog	Annual
	Jan	Feb	March	April	May	June	July	Aug	Sept	000	NOV	Dec	Tening
Fool Creek Reservoir Outflow	10	140	160	920	1790	1130	730	540	220	10	07	0	5,690
River Inflow	1120	1360	2930	10930	29880	20610	23060	15080	8180	3150	3730	1570	121,600
Ground Water Inflow													
B-5	1970	1870	1810	1970	2990	3090	2930	2720	2510	2290	2190	2080	28,420
B-6	1440	1370	1330	1440	2190	2260	2150	1990	1830	1680	1600	1520	20,800
Tributary Inflow	120	110	110	120	180	190	180	170	150	150	130	130	1,740
Diversions	300	290	1730	9340	31190	20720	22600	15640	7330	3700	5480	1020	119,640
45% to Root Zone	130	270	780	4200	14040	9320	10170	7040	3300	1660	2470	097	53,840
Wells	ı	1	•	1	180	360	370	370	180	ı	•	1	1,460
50% to Root Zone	ı	•	í	4	06	180	190	180	06	ı	1	1	730
Use from Ground Water	190	290	009	1250	2410	5270	6950	3790	1200	240	270	230	22,990
Precipitation	2440	2280	3400	4140	4030	2180	2280	2700	1750	3290	2440	2920	33,850
Total Supply to Root Zone	2760	2840	4780	9590	20570	16950	19590	13710	6340	2490	5180	3610	111,410
					1	1	1	6	1		6	1	0.0
Potential Consumptive Use Root Zone Supply less P.C.U.	1270	1910 930	4130	1190	17350 3220	31610	36510	19880	7590	4320	2500	14/0	136,940
Accumulated Soli Moisture (Max. Cap. 51,970 Ac. Ft.)	7480	8410	0906	10250	13470	•	,	,	0	1170	3850	5990	
Consumptive Use Deficit	1	ı				1190	16920	6170	1250		ı	1	25,530
Actual C.U. Irrigated Cropland	1270	1910	4130	8400	17350	30420	19590	13710	6340	4320	2500	1470	111,410
Addition to Ground Water													
Domestic Use & Water Surface Evaporation	10	30	70	110	150	180	200	200	130	09	20	1	1,160
Inflow from Clear Lake Spring Supply to Wetlands & Ground Water Precipitation on Wetlands Consumptive Use, Wetlands	1290 5620 5150 1830	1210 5470 4810 2520	1420 6310 7160 5620	1430 11250 8740 10770	1460 21800 8520 15300	1360 13690 4580 24190	1310 12850 4810 37070	1190 10480 5710 31680	1100 9270 3700 23160	1110 6130 6940 12310	1130 6060 5150 5730	1220 5830 6150 2310	15,230 114,760 71,420 172,490
O. + flow & Change in Ground Water	8940	7760	7850	9220	15020	-5920	-19410	-15490	-10190	760	5480	9670	13,690

520 1,060 8,910 10,770 3,020 120 60 4,750 5,960 12,730 Annual 12,730 7,050 380 380 1960 10 380 80 Dec 20 220 380 580 220 Nov 380 360 730 290 200 30 730 390 180 620 800 220 20 20 10 440 350 020 Oct Sept 1380 1380 000 390 180 970 1150 320 20 10 10 670 1230 Sevier River Basin 2380 - 510 80 120 480 200 1270 1470 410 20 20 10 320 1130 2380 Aug 600 220 1550 1770 500 20 10 310 1350 2990 -820 1570 061 July 2990 1000 280 1450 1730 490 20 20 10 10 1070 2360 -460 2390 2360 06 June 54. -- Average annual water budget, Watershed C-1, Fayette, 1390 1470 1800 500 20 20 430 650 1590 250 2850 1340 0681 Мау 250 April 900 260 780 1040 290 480 350 1120 0071 720 400 2850 720 005 430 4440 550 160 160 --520 170 850 350 500 2850 Mar 350 015 20 350 Feb 120 420 2760 120 10 360 420 20 440 980 380 2340 Jan 09 Soil Moisture Storage (Max. Cap. 2850 AF) Actual Consumptive Use - Irrigated Lands Domestic Use & Water Surface Evaporation Precipitation on Irrigated Lands Supply to Wetland & Ground Water Direct Use from Ground Water Potential Consumptive Use Root Zone Supply, Less P.C.U. Total Supply to Root Zone Addition to Ground Water Consumptive Use Deficit Tributary Diversions 28% to Root Zone River Diversions 50% to Root Zone Total Diversions River Inflow Tributary Inflow TABLE

007,6 69,880 79,280 23,780 930 370 5,570 46,130 46,130 1,160 1,560 17,570 Annual 54,140 680 1410 1410 420 1550 40 2010 290 1720 7780 1610 290 20 780 1520 6060 660 600 2370 2970 890 --1310 100 2300 2220 780 50 Nov 710 1170 4530 5700 1710 1630 330 3670 3540 2430 1240 4540 2430 110 Oct 4760 -470 3300 730 1170 7950 9120 2740 180 70 860 620 4290 09/7 5510 Sept 190 Sevier River Basin 790 11170 9770 10940 3280 190 70 1200 1200 5600 8430 -2830 8430 6390 220 Aug 880 1170 112430 13600 4080 190 80 1140 1140 1280 6580 8040 July 11430 -4850 6600 11430 280 1260 1170 111160 12330 3700 180 70 1240 1010 6020 -3010 9030 9030 7830 June 260 TABLE 55. -- Average annual water budget, Watershed C-2, Redmond, 1820 1170 10900 12070 3620 190 80 1600 600 5900 1240 9840 0997 1160 0995 190 May April 1790 320 4300 1870 1120 1170 6130 7300 2190 2430 5070 120 March 1910 150 2600 1210 1390 12510 740 610 1170 1780 540 1210 1380 70 1800 50 2110 1660 1260 720 -880 880 260 450 30 Feb . . 1180 1180 350 1540 20 1910 230 1680 9460 1450 230 20 1 4 Jan Soil Moisture Storage (Max. Cap. 14460 AF) Domestic Use & Water Surface Evaporation Precipitation on Irrigated Lands Supply to Wetland & Ground Water Tributary & Ground Water Inflow Root Zone Supply less P.C.U. Consumptive Use Deficit Actual C.U. on Irrigated Lands Direct Use from Ground Water Potential Consumptive Use Total Supply to Root Zone Addition to Ground Water Tributary Diversions 30% to Root Zone 40% to Root Zone River Diversions Total Diversions Wells

1,930 6,550 37,130 1,240 16,350 3,300 34,400 7,660 1,000 38,070 48,710 14,610 300 140 42,060 37,130 Annual 60 350 1690 1420 2200 Dec 30 410 780 230 - 240 10 440 760 230 Nov -1230 Sevier River Basin 200 2220 480 510 Oct : Sept 50 1360 3600 1080 -4280 320 2170 4650 1400 80 40 1300 2240 Aug 1410 5260 July 220 4490 7970 2390 80 40 -6110 Gunnison, 10990 3300 70 30 1150 600 5080 June -3210 4800 11810 3540 56. -- Average annual water budget, Watershed C-3, 1040 8010 Мау 4050 1210 190 3070 770 6970 360 4560 Apr 1020 6200 190 1820 890 270 Mar 60 400 750 220 30 1930 1520 5180 Feb 60 380 ı 1460 3660 -1420 10 1670 Jan 70 70 800 240 40 430 Soil Moisture Storage (Max Cap 13,560 AF) Domestic Use & Water Surface Evaporation Actual Consumptive Use, Irrigated Land Ground Water Inflow - San Pitch River Outflow & Change in Ground Water Precipitation on Irrigated Land Diversions to Rotation Cropland Direct Use from Ground Water Potential Consumptive Use Root Zone Supply less P.C.U. Precipitation on Wet Lands Total Supply to Root Zone Wet Lands Consumptive Use Consumptive Use Deficit Inflow from Reservoirs 45% to Root Zone 30% to Root Zone Tributary Inflow TABLE Wells

TABLE 57 Average annual water budget, Gu	t, Gu	nnison	n and	Nine	Mile	Reservoirs,	oirs,	Sevier	River	Basin	E		
	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
GUNNISON RESERVOIR													
San Pitch River Inflow	1470	1470	1330	1610	1230	4980	7360	1080	10	140	089	1500	22860
Six Mile Creek Inflow	260	210	230	20	50	100				220	230	240	1590
Precipitation on Reservoir	100	110	120	110	100	80	70	80	50	100	80	100	1100
Evaporation	09	06	220	410	630	006	950	720	630	380	180	70	5240
Spillway Flow			1430	1500									2930
Ground Water Seepage	09	09	09	09	09	09	09	09	09	09	09	09	720
Releases				1460	3220	1740	4760	2690	2140	650			16660
Accumulated Reservoir Storage	4170	5810	5780	4120	1590	4050	5710	3400	. 630	0	750	2460	
6								1	(	1		(	0
☑ Total Reservoir Outflow	09	09	1490	3020	3280	1800	4820	2750	2200	/10	09	09	20310
NINE MILE RESERVOIR													
Nine Mile Spring Inflow	120	120	120	120	120	120	120	120	120	120	120	120	1440
Return Flow from Irrigation	09	040	50	20	110	220	09	30	20	40	20	50	750
Precipitation on Reservoir	20	20	20	20	20	20	10	20	10	20	20	20	220
Total Reservoir Consumptive Use (nearest 10 ac.ft.)	10	10	30	09	06	130	140	100	06	20	30	10	750
Water Surface Evaporation	7	11	28	52	98	116	105	29	43	29	91	7	295
plant Use	2	2	4	9	4	13	30	37	84	25	10	m	184
Trrigation Releases						410	420	420	410				1660
Accumulated Reservoir Storage	1160	1330	1490	1590	1750	1570	1200	850	1/ 500	630	790	970	
							1						
						1/ Aver	Average carry-over		storage				

TABLE 58 Average annual water budget, Watershed C-4,	Water	budget,	Waters	hed C-4	, Wil	Willow Creek,	ek, Se	Sevier Ri	River Ba	Basin			
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
T	150	150	190	600	2100	1670	780	710	290	220	180	160	000 9
TITUTE THITOM	000	1100	120	000	1/10	1110	00 1	0 0	000	7 -	000	1100	0,000
Tributary Diversions	100	110	130	074	14/0	11/0	220	067	700	150	130	011	4,630
28% To Root Zone	30	30	30	120	410	330	150	80	9	07	40	30	1,350
Wells	1	1			30	20	30	30	20		•		130
40% to Root Zone	1	8		1	10	10	10	10	10	•	•	1	50
Precipitation on Irrigated Lands	110	130	140	130	120	06	06	06	09	120	100	120	1,300
Direct Use from Ground Water	1	1			10	10	20	10	10	1		1	09
Total Supply to Root Zone	140	160	170	250	550	077	270	190	140	160	140	150	2,760
Potential Consumptive Use	20	30	06	180	340	670	850	610	340	180	50	20	3,380
Root Zone Supply, Less P.C.U.	120	130	80	70	210	-230	-580	-420	-200	-20	90	130	-620
Soil Moisture Storage (Max Cap 1160 AF)	340	470	550	620	830	009	20	0	0	0	06	220	
Consumntive Use Deficit	1	1	1		•	•		400	200	20	,	,	620
Actual Consumptive Use - Irrigated Lands	20	30	06	180	340	079	850	210	140	160	50	20	2,760
Addition to Ground Water													
Domestic Use & Water Surface Evaporation Supply to Wetlands & Ground Water	120	10	10	10 470	20 1650	20	30	20	20	10	0 140	130	150
				`	!								

Tributary Inflow Tribut	TABLE 59 Average annual water budget, Watershed C-5.	Water	budget,	Waters	hed C-	- 1	Salina Creek,		Sevier Ri	River Ba	Basin			
lone lone lone lone lone lone lone lone		Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annua
ions         500         1120         910         3300         5080         4440         2950         2210         1890         1490         860         790           one         140         310         260         920         1420         1240         830         620         530         440         240         230         500         240         240         220         300         220         310         220         310         220         220         310         220         220         310         220         310         220         310         220         310         220         310         220         310         220         310         310         320         310 <t< td=""><td>Tributary Inflow</td><td>1320</td><td>2190</td><td>1980</td><td>5040</td><td>10500</td><td>6170</td><td>3060</td><td>2360</td><td>1940</td><td>1720</td><td>1390</td><td>1460</td><td>39,130</td></t<>	Tributary Inflow	1320	2190	1980	5040	10500	6170	3060	2360	1940	1720	1390	1460	39,130
140 310 260 920 1420 1240 830 620 530 420 240 220 220 230 150 150 240 220 220 230 150 150 310 250 290 240 220 230 160 310 250 290 240 250 290 240 240 240 240 240 240 240 240 240 24	Tributary Diversions	200	1120	910	3300	5080	0777	2950	2210	1890	1490	860	190	25,540
290 340 370 340 370 340 300 240 220 230 160 310 250 290 290 240 440 660 680 1370 1930 1610 . 1480 1220 370 220 120 30 10 10 10 20 20 20 20 20 20 20 20 20 20 20 20 20	28% to Root Zone	140	310	260	920	1420	1240	830	620	530	420	240	220	7,150
10 10 660 680 1370 1930 1810 . 1480 1220 120 330 10 50 10 440 660 680 1370 1930 1810 . 1480 1220 910 850 520 520 520 520 520 520 520 520 520 5	Precipitation on Irrigated Land	290	340	370	340	300	240	220	230	160	310	250	290	3,340
440 660 680 1370 1930 1810 1220 910 850 520 520  and 20 80 240 490 910 1630 2070 1610 930 490 160 60  F) 2560 2560 2560 2560 2560 2560 1970 1580 1560 1920 2280 2560  and 420 580 440 880 1020 180 -590 -390 -30 360 360 360 550  and 420 580 440 880 1020 180 -590 1010 100 80 40 110 1140 1110 1400	Direct Use from Ground Water	10	10	50	110	210	330	430	370	220	120	30	10	1,900
and 420 580 440 880 1020 180 -590 -390 -20 360 360 460 460 460 880 1020 180 -590 -390 -20 360 360 460 460 460 880 1020 180 -590 -390 -30 360 360 460 460 460 2560 2560 2560 2560 1970 1580 1560 1970 1560 1970 1560 1970 1560 1970 1560 1970 1560 1970 1560 1970 1560 1970 1610 930 490 160 60 1970 1610 1970 1560 1970 1610 1970 1580 160 160 1970 1580 1580 1580 1580 1580 1580 1580 158	Total Supply to Root Zone	077	099	089	1370	1930	1810	1480	1220	910	850	520	520	12,390
420         580         440         880         1020         180         -590         -390         -20         360         360         460           F)         2560         2560         2560         2560         2560         1970         1580         1560         1920         2280         2560           20         80         240         490         910         1630         2070         1610         930         490         160         60           ion         10         420         480         1020         180         -         -         -         -         -         -         180           ion         10         40         40         40         40         40         10	Potential Consumptive Use Irrigated land	20	80	240	760	910	1630	2070	1610	930	067	160	09	8,690
F) 2560 2560 2560 2560 2560 2560 1970 1580 1560 1920 2280 2560 2560 2560 2560 2560 2560 2560 256	Root Zone suplly less P.C.U.	420	580	077	880	1020	180	-590	-390	-20	360	360	097	3,700
1580 2440 2070 4830 9810 1680 1690 1270 1610 80 40 110 110 110 110 1140 1110 1400 3	Soil Moisture Storage (Max Cap 2560 AF)	2560	2560	2560	2560	2560	2560	1970	1580	1560	1920	2280	2560	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Consumntive Use Deficit	1	1	1	1	ı		ı	1	1	1	1	1	
420         580         440         880         1020         180         -	Actual Consumptive Use Irrigated Land	20	80	240	065	910	1630	2070	1610	930	067	160	09	8,690
420 580 440 880 1020 180 180 face Evaporation 10 10 40 60 80 100 110 100 80 40 10 10 und Water 1580 2440 2070 4830 9810 4680 1690 1270 1110 1140 1110 1400														
10         10         40         60         80         100         110         100         80         40         10         10           1580         2440         2070         4830         9810         4680         1690         1270         1110         1140         1110         1400	Addition to Ground Water	420	580	077	880	1020	180	•	ı	ı	1	1	180	3,700
1580 2440 2070 4830 9810 4680 1690 1270 1110 1140 1110 1400		5	0	0.7	0,9	Ca	100	110	100	08	07	10	10	650
	Domestic Use & Water Surface Evaporation Supply to Wetlands & Ground Water	1580	2440	2070	4830	9810	4680	1690	1270	1110	1140	1110	1400	33,130

Annual 9,430 1,360 7,070 2,360 1,830 4,490 5,300 810 1008,030 30 200 360 280 350 0 260 70 70 160 30 Dec 260 330 0 250 70 140 210 90 - 06 Nov 410 100 310 120 170 20 20 310 270 40 40 270 10 Watershed C-6, Lost Creek, Sevier River Basin 470 210 350 160 90 30 540 -260 0 10 260 Sept 096 570 210 430 180 120 60 360 10 740 210 550 210 120 80 410 1340 -930 50 1340 July 1490 210 1120 370 130 60 560 1050 -490 980 1050 2530 210 210 590 590 170 30 790 530 260 1470 10 2110 530 1210 210 910 310 180 10 500 270 230 1210 1090 270 480 360 100 200 10 310 140 170 980 140 10 Mar TABLE 60. -- Average annual water budget, 50° 250 810 530 0 400 1110 1190 -420 50 320 0 240 70 160 30 200 560 250 30 Domestic Use and Water Surface Evaporation Supply to Wet Lands and Ground Water Potential Consumptive Use Irrigated Land Soil Moisture Storage (Max Cap 1760 AF) Diversions from C-2 (Rocky Ford Canal) Actual Consumptive Use Irrigated Land Root Zone Supply Less Potential C.U. Precipitation on Irrigated Land Direct Use from Ground Water Total Supply to Root Zone Addition to Ground Water Consumptive Use Deficit Tributary Diversions 25% to Root Zone Tributary Inflow

TABLE 61.--Average annual water budget summary, Watersheds C-1, C-2, C-4, C-5 and C-6, Lower Sevier Valley, Sevier River Basin

	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
River Inflow Canal Inflow	6790	06990	6980	6870	5590	0657	1220	1260	1760	4160	5240	6090	57,500
Ground Water Inflow "D" & Chalk Creek	850	860	930	1400	1960	1690	1050	870	840	840	860	850	13,000
Tributary Inflow	2810	3940	3820	8870	18340	11590	0909	4610	3820	3450	2940	3030	73,280
Tributary Diversions	840	1630	1890	5610	0676	7730	0667	3850	3340	2850	1710	1160	45,090
Other Diversions	1180	880	1840	7570	13030	13270	14640	11700	9580	5700	2960	1410	83,760
Total Diversions	2020	2510	3730	13180	22520	21000	19630	15550	12920	8550	04970	2570	128,850
Amount to Root Zone	290	710	1090	3830	6540	6130	5770	4570	3810	2510	1370	140	37,660
Wells	1	1	ı	ı	240	220	240	240	220	20	ı	•	1,180
40% to Root Zone	ŧ		1	1	100	06	100	06	06	10		ı	780
Precipitation on Irrigated Lands	2520	2950	3140	2920	2620	2030	1880	1960	1400	2670	2160	2540	28,790
Direct Use from Ground Water Total Supply to Root Zone	3160	3770	380 4610	7540	10760	2480	3160	2620	1550 6850	820 6010	3770	3370	13,790
Potential Consumptive Use	360	730	2030	4090	7780	14740	18680	13990	7950	4100	1300	480	76,230
Soil Moisture Storage (Max. Cap. 22/90 A.F.) 13260	15260	1//70	19450	71970	0/177	1/980	10210	0410	0//5	00//	0/101	12880	1007
consumptive use Delicit	0	l (	1 0	1 0	1 (			950	400	07	\$ 6 6	4	1,430
Actual C.U. on Irrigated Lands	360	/30	2030	0604	7780	14740	18680	13040	7490	7080	1300	780	74,800
Addition to Ground Water	420	580	850	1280	2430	180	1		٠	ı	í	180	5,920
Domestic Use & Water Surface Evaporation	30	09	150	240	360	490	540	430	360	200	80	040	2,980
supply to wer Lanus	0/40	4350	1000	12000	73200	13030	11130	0000	0667	0100	4210	3/30	106,050
Precipitation on Wet Lands & Water Surfaces Wetland Consumptive Use	890	1050	1110	1040	930	700	0098	0690	500	950	760	370	10,180
Inflow from San Pitch River Basin	580	570	2010	4590	10140	8750	5140	2270	1640	650	290	200	37,130
Precipitation Sevier Bridge Reservoir	470	550	580	550	490	380	350	360	260	200	400	0.470	5,360
Evaporation Sevier Bridge Reservoir	310	200	1310	2180	3620	4740	0897	4180	3120	2000	1190	370	28,200
Ground Water not Diverted River Flow not Diverted	850	860	0609	950	1510 2420	1240	600 -2170	420	390	390	630	850	9,390
Surface Water Outflow Sevier Bridge Res.	410	420	1290	12250	40320	24650	29560	17520	8570	2060	1500	370	138,920
Ground Water Outflow Sevier Bridge Res.	110	120	130	150	150	150	120	110	100	100	100	120	1,460
Total Outflow	520	240	1420	12400	40470	24800	29680	17630	8670	2160	1600	067	140,380

	Annual	4,850	77,620 3,980 81,600 28,560 16,680 8,340 53,580	57,740 -4,160 4,160 53,580	2,980	4,850
	Dec	320	1580 560 1220 60 1840	450 1390 3280 450	20	320
	Nov	320	2950 140 3090 1080 1180 140 2400	1050 1350 1890 /	80	320
	Oct	320 290 4830	130 4960 1740 1340 450 3530	2990 540 540 2990	180 2750	320
Basin	Sept	320 260 8810	110 8920 3120 1100 900 5120	5780 -660 0 660 5120	340	320
River	Aug	320 360 10930	1090 11090 3880 1650 1510	9900 -2860 0 2860 7040	470	320
Sevier	July	390 740 14070	330 14400 5040 1700 1910 8650	13620 -4970 0 640 12980	520 7340	390
Richfield,	June	630 2220 12700	13680 4790 1160 1150 7500	11470 -3970 4330 11470	470 8110	630
	May	730 2800 13450	1240 14690 5140 1650 960 7750	6470 1280 8300 6470	390	730
ed D-1	April	520 1500 5280	5950 5950 2080 1450 490 4020	3280 740 7020 3280	250	520
Watersh	March	340 500 790	220 1010 350 1550 240 2140	1710 430 6280 1710	160	340
idget.	Feb	320 330 1010	1010 350 1360 90 1800	670 1130 5850 670	70	320
rater bu	Jan	320 310	1220 430 1320 40 1790	350 1440 4720 350	30	320
TABLE 62 Average annual water budget, Watershed D-1,	,	Ground Water Yield Direct to C-2 Tributary Inflow River Diversions	Tributary Diversions (40%) Tributary Diversions (40%) Total Diversions 35% to Root Zone Precipitation on Irrigated Lands Direct Use from Ground Water Total Supply to Root Zone	Potential Consumptive Use Root Zone Supply less P.C.U. Soil Moisture Storage Consumptive Use Deficit Actual C.U. on Irrigated Lands	Addition to Ground Water Domestic Use & Water Surface Evaporation Supply to Wetlands & Ground Water	Ground Water Outflow Direct to C-2

	Annual										8,990	6,210	2,780			6,210		
	Dec										260			1770		07	2	
n	Nov	540	260		260	06		1	160	30	280	110	170	1770		110	170	
r Basin	Oct.	240	380	780	1160	380	80	30	200	06	700	330	370	1770		330	370	
r River	Sept	240	480	1070	1550	510	350	130	150	190	086	079	340	1770		049	300	
, Sevier	Aug	570	067	1090	1580	520	340	120	230	320	1190	1090	100	1730		1090	0	
Glenwood,	July	700	530	1090	1620	530	007	130	230	410	1300	1440	-140	1630		1440	0	
D-3, Gle	June	1130	700	1070	1770	590	200	180	160	330	1260	1200	09	1770		1200	09	70
D-2 & D-	May	1310	750	1090	1840	610	094	170	230	200	1210	700	510	1770		700	510	09
ersheds D	Apr	920	620	1070	1690	260	70	30	200	110	006	360	240	1770		360	240	04
Wat	Mar	610	310	1	310	100		•	210	50	360	190	170	1770	NON	190	170	20
water budget,	Feb	540	240	1	240	80	1	1	190	10	280	70	210	1770		70	210	10
rater b	Jan	540	250	-	250	80		,	180	10	270	040	230	1770		40	230	
TABLE 63 Average annual v		Tributary Inflow	Tributary Diversions	Other Diversions	Total Diversions	33% to Root Zone	Wells	36% to Root Zone	Precipitation on Irrigated Lands	Direct Use from Ground Water	Total Supply to Root Zone	Potential Consumptive Use, Irrigated Lands	Root Zone Supply less P.C.U.	Soil Moisture Storage Max. Cap. 1770 A.F.	Consumptive Use Deficit	Actual C. U., Irrigated Lands	Addition to Ground Water	Domestic Use & Water Surface Evaporation

1,700 Annual 7,630 1,060 27,060 4,040 9,780 57,400 31,100 -4,040 18,370 100 1140 1140 360 560 10 930 230 700 1930 Dec 40 390 340 2840 3180 1020 540 540 20 560 1020 1230 560 Nov Sevier River Basin 100 370 310 3140 3450 1100 620 1570 210 210 1570 1780 Oct Sept 710 190 320 280 280 5110 5390 1720 500 120 3050 450 390 6530 6920 2210 750 200 3160 5270 2110 Aug TABLE 64. -- Average annual water budget, Watershed D-4, Monroe-Annabella, 1220 6210 930 810 8230 9040 2890 770 230 3890 7430 July 270 3170 -2430 2320 6310 2780 2420 7470 9890 June 02801 3480 220 3500 3040 7830 3480 3480 May April 1900 1650 2960 4610 1480 670 150 1740 480 3880 1740 620 540 1240 1780 570 910 390 3400 300 910 100 Mar 580 580 190 630 10 830 40 Feb 360 550 550 1180 610 10 800 190 610 2540 190 Jan 380 20 Potential Consumptive Use, Irrigated Lands Root Zone Supply Less P.C.U. Domestic Use & Water Surface Evaporation Supply to Wetlands & Ground Water Soil Moisture Storage (MAx Cap 8580 AF) Precipitation on Irrigated Lands Actual C.U., Irrigated Lands DirectUse from Ground Water Total Supply to Root Zone Addition to Ground Water Consumptive Use Deficit Tributary Diversion 32% to Root Zone Tributary Inflow River Diversions Total Diversions

TABLE 65 Average annual water budget, watershed U-5,	ter b	udger,	Waters	hed D-5,	Clear	Creek,	Sevier	Kiver	r Basın	ר			
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
Tributary Inflow	790	840	1270	3850	7120	5650	1900	910	099	730	790	840	25,350
Tributary Diversions	1	1	10	300	680	049	580	480	077	077	270	1	3,840
35% to Root Zone	٠	ŧ	,	110	240	220	200	170	150	150	100	•	1,340
Precipitation on Irrigated Lands	07	04	20	50	50	07	50	50	30	07	07	07	520
Direct Use from Ground Water	1	•		1	ï	1	•	•	•		,	1	
Total Supply to Root Zone	07	07	20	160	290	260	250	220	180	190	140	040	1,860
Potential Consumptive Use, Irrigated Lands	10	20	70	110	230	420	900	350	200	100	30	10	2,050
Root Zone Supply Less P.C.U.	30	20	-20	50	09	-160	-250	-130	-20	06	110	30	-190
Soil Moisture Storage (Max Cap 700 AF)	260	280	260	310	370	210	0	0	0	06	200	230	
Consumptive Use Deficit	١	,	•	•	,	٠	07	130	20	1		ı	190
Actual Consumptive Use, Irrigated Lands	10	20	70	110	230	420	095	220	180	100	30	10	1,860
Addition to Ground Water	ı	1	1	,		ł	1	1	Þ	ı	ı	1	
Domestic Use & Water Surface Evaporation Supply to Wetlands & Ground Water	290	840	1270	3740	10 6870	10 5420	10 1690	10	10	580	069	840	50 23,960

132,500 155,360 52,400 2,200 157,790 56,240 22,860 11,160 91,490 97,100 88,710 2,780 5,160 4,850 27,710 25,290 57,500 59,500 130,000 06/ 27,140 04,710 Annual 320 410 340 2120 250 2720 2970 1000 80 3070 730 -1360 2030 1010 5790 6800 2290 190 4400 1750 390 730 TABLE 66. -- Average annual water budget summary, Watersheds D-1 through D-5, Sevier River Basin 450 2040 -100 1930 1260 8750 10010 3370 80 2200 600 6200 4990 370 3730 1780 14990 16300 5500 350 130 1780 1780 1780 1780 1780 Sept 550 5520 2290 1529 18550 20070 6780 340 120 2680 2030 11610 16610 Auk 4270 2250 23390 8660 400 130 2750 2550 1409@ 560 5860 July 11780 4740 21240 21240 25980 8770 8770 180 180 1890 1890 1890 21250 June 14730 5710 22370 28080 9470 170 2680 1280 13600 10880 550 2620 May 8170 3240 9310 12550 4230 30 2370 670 7300 5490 480 1470 3000 1080 2030 3110 510 800 2120 240 240 1590 1830 620 460 340 2020 250 11770 2020 690 60 2900 590 3220 440 220 P.C.U. on Irrigated Cropland Soil Moisture Storage (Max. Cap. 34,270 AC. Use and Water Surface Evaporation Precipitation on Irrigated Cropland Actual C.U. on Irrigated Cropland Supply to Wetlands & Ground Water Outflow & Change in Ground Water Direct Use from Ground Water Yield Direct to Ground Water Tributary Diversions Total Supply to Root Zone Precipitation on Wetlands River Inflow not Diverted Addition to Ground Water Supply to Root Zone Supply to Root Zone Consumptive Use Deficit Wetland Consumptive Use River Outflow - Gaged Other Diversions Ground Water Outflow Tributary Inflow Total Diversions River Inflow Canal Outflow Total Outflow

Jan Feb Mar   Reb Mar	Apr 80 13150 4930 2880 180 3060 920 250 250 250 1390 800 800	May 80 23300 9120 4660 180 4840 1450 290 290 2120 11090	June 80 9820 77230 3860 1180 4040 1210 220 580 2010 2000	July 90 27100 2440 1430 180 1610 480 320 740 1540	Aug 80 20910 1170 690 180 870 260 400 640	Sept 80 15370 840 500	0ct 80	NoN 80	Dec	Annual
80 80 80 1380 1770 2870 1010 1070 1620 70 70 70 220 220 290 240 40 110 240 260 420 60 110 280 1790 1940 2080 60 110 280	80 4930 2880 2880 180 3060 250 250 250 1390 800 800	<del>(</del>	80 9820 7230 3860 180 4040 220 580 580 2010	90 27100 2440 1430 180 1610 480 320 740 1540	80 20910 1170 690 180 870 260 400 640	80 15370 840 500	80	80		
1380 1770 2870 1 1010 1070 1620 1 70 70 - 70 70 70 70 70 70 70 70 70 70 70 70 70	13150 2 4930 2880 2880 3060 920 250 250 250 250 250 250 250 250 250 2	<del></del>	9820 77230 3860 1180 1210 220 580 2010 2000	27100 2440 1430 180 1610 480 320 740 1540	20910 1170 690 180 870 260 400 640	15370 840 500		7.200	80	970
1010 1070 1620 70 - 70 70 - 220 290 20 40 110 240 260 420 60 110 280 1180 150 140 1790 1940 2080	2880 2880 180 3060 3060 220 220 1390 800		7230 3860 1180 4040 1210 220 280 2010	2440 1430 180 1610 480 320 740 1540	1170 690 180 870 260 400 640	500	7300	1400	1570	138,740
70 70 220 220 290 20 40 110 240 260 420 60 110 280 1790 1940 2080 60 110 280	2880 180 3060 3060 250 220 1390 590 800		3860 180 4040 1210 220 580 2010	1430 180 1610 480 320 740 1540	690 180 870 260 400 640	500	076	1010	1070	32,45
220 220 290 20 40 110 240 260 420 1180 110 280 1790 1940 2080	180 3060 920 250 220 1390 800		180 4040 1210 220 580 2010 2000	180 1610 480 320 740 1540	180 870 260 400 640	100	560	590	1	15,24
220 220 290 220 40 110 240 260 420 60 110 280 1180 150 140 60 110 280 60 110 280	3060 920 250 220 1390 590 800		4040 1210 220 580 2010 2000	1610 480 320 740 1540	870 260 400 640	TRO	180	180	é	1,44
220 20 20 20 40 110 240 260 420 60 110 280 1790 1940 2080 60 110 280	920 250 220 1390 590 800		1210 220 580 2010 2000 10	480 320 740 1540	260 400 640	089	740	770	ı	16,68
220 220 290 20 40 110 240 260 420 60 110 280 1790 1940 2080 60 110 280	250 220 1390 590 800		220 580 2010 2000 10	320 740 1540	007	210	220	230	ı	5,00
20 40 110 240 260 420 60 110 280 1790 1940 2080 60 110 280	220 1390 590 800 800		580 2010 2000 10	740	1300	290	320	220	220	3,26
240 260 420 60 110 280 1790 1940 2080 60 110 280	1390 590 800 2650		2010 2000 10	1540	1200	007	210	09	20	3,42
60 110 280 180 150 140 1790 1940 2080 60 110 280	590		2000	27.10	Tonn	006	750	510	240	11,680
180 150 140 1790 1940 2080 60 110 280	800		10	7410	1860	1100	610	220	80	10.41
ax. Cap. 2650 A.F 1790 1940 2080 Lands 60 110 280	2650			-870	-560	-200	140	290	160	1,270
Lands 60 110	2007		2650	1780	1220	1020	1160	1450	1610	
Lands 60 110										
	290	1090	2000	2410	1860	1100	610	220	80	10,410
Addition to Ground Water	230	1030	10	1	ı	ı	ı	1	ı	1,270
Domestic Use & Water Surface Evaporation 20 Supply to Wetlands & Ground Water 2450 2880 4420 1	20 17230	30 31670 2	30	40 28370	30 21230	20 15660	20	10	2700	220 164,790
Precipitation on Wetlands 110 110 150 Wetlands Consumptive Use 60 100 240	120	150	110	160	200	150	160	110	110	1,640
Outflow & Change in Ground Water 2500 2890 4330 1	16870 3	30960 2	05050	26720	19760	14710	7390	4880	2730	157,790
Gaged Outflow 3420 1.	13570 2	25960 2	25660	27580	21660	18450	8650	4430	2950	157,790

TABLE 68. -- Average annual water budget, Watershed D-8, Junction, Sevier River Basin

	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
River Inflow	8700	8600	11050	12820	21270	14380	10920	10140	8240	6370	8640	9360	130,490
E-3	80	80	80	80	80	80	80	80	80	80	80	80	096
	210	210	210	210	210	210	210	210	210	210	210	200	2,510
Canal Outflow	110	120	140	390	840	850	820	780	099	260	330	200	5,800
Tributary Inflow	410	077	670	2020	3740	2970	1000	480	350	390	410	450	13,330
Tributary Diversions	150	150	230	720	920	890	350	170	120	140	150	150	4,140
Total Diversions	340	340	430	1530	3050	3140	2580	2320	1850	096	650	7460	17,650
28% to Root Zone	06	100	120	430	850	880	720	650	520	270	180	130	076,7
Precipitation on Irrigated Lands	130	110	160	130	160	140	180	200	180	180	140	130	1,840
Direct Use from Ground Water	10	10	07	06	160	260	340	270	160	80	30	10	1,460
Total Supply to Root Zone	230	220	320	099	1170	1280	1240	1120	860	530	350	270	8,240
Potential Consumptive Use, Irrigated Lands	30	09	170	340	620	1060	1430	1040	610	320	120	50	5.850
Root Zone Supply less P.C.U.		160	150	310	550	220	-190	80	250	210	230	220	2,390
Soil Moisture Storage (Max Cap. 1630 Ac.Ft.)	1630	1630	. 1630	1630	1630	1630	1440	1520	1630	1630	1630	1630	
Consumptive Hea Deficit													
Actual Consumptive Use, Irrigated Lands	30	09	170	340	620	1060	1430	1040	610	320	120	50	5.850
										)	)		
Addition to Ground Water	200	160	150	310	550	220	0	0	140	210	230	220	2,390
Domestic Use and Water Surface Evaporation	0	0	10	20	20	20	30	20	20	20	20	0	180
Supply to Wet Lands	9610	9500	12130	15290	25660	17550	11940	10750	8980	7450	0496	10370	148,900
Precipitation on Wet Lands	07	30	20	07	50	07	50	09	50	50	07	07	540
Wetlands Consumptive Use	20	20	70	140	260	420	610	580	390	200	70	20	2,800
Outflow to Piute Reservoir	9630	9510	12110	15190	25450	17170	11380	10230	8640	7300	0496	10390	146,640
River Inflow to Piute Reservoir	8620	8530	10990	12400	19980	12980	9510	8770	7170	6110	8470	9250	122,780
Ungaged inflow to Flure Reservoir	300	000	120	100	110	0507	3150	3510	3/30	3460	3040	1710	23,860
Evaportion	130	210	430	089	930	1190	1230	1110	096	670	550	150	1,310
											)		
Computed Outflow from Piute Reservoir	9590	9380	11800	14610	24630	16070	10100	9350	7910	0929	9180	10330	139,710
River Outflow Canal Outflow	1380	1770	2870	12970	23120	19640	26920	20730	15190	7120	4020	1570	137,300
									) }		0		0 1 6 4
Ground Water Outflow	80	80	80	80	80	80	0.6	80	80	80	80	80	970
Total Outflow	1460	1850	2950	13230	23380	19900	27190	20990	15450	7380	4280	1650	139,710
										4			

Annual 3,850 380 1,640 2,710 6,800 11,920 11,430 13,260 16,710 4,180 6,190 4,170 1,690 12,610 12,610 1,930 8,080 2,860 9,360 1,580 9,520 4.540 1,580 14.850 490 90 70 510 20 20 30 180 -180 1420 150 40 40 50 50 140 270 2680 10 150 100 140 180 550 Dec 460 90 90 450 450 20 80 80 180 400 210 50 50 320 80 450 230 220 2410 230 10 150 350 330 500 Nov 380 370 560 140 610 2260 680 330 2190 10 430 160 260 260 40 40 1120 1180 200 280 680 .70 00 220 Oct Basin 900 340 960 240 480 -110 1860 220 Sept 390 130 500 20 30 30 200 700 1340 20 009 350 90 River 540 300 760 80 70 210 220 1300 1520 460 1540 390 11100 790 2280 20 510 2340 170 610 300 Aug Sevier 1360 960 1760 440 800 910 2150 3120 -970 2030 370 11110 220 220 870 460 50 260 260 260 1100 3120 30 360 200 July Koosharem. 2170 40 40 2170 3790 230 2680 670 40 970 June 4170 160 340 390 200 300 300 1200 2700 3610 590 590 450 2210 20 250 920 1290 920 810 0061 May 70% Watershed E-1. 140 2260 90 170 2180 20 140 270 700 970 2360 2140 530 310 230 10 150 670 670 2700 400 Apr 740 120 90 770 30 80 80 240 640 320 80 450 110 340 10 210 100 340 2000 300 980 Mar 69. -- Average annual water budget, 100 100 530 20 20 20 200 170 280 3000 160 Feb 200 430 150 40 40 60 60 60 100 0007 900 460 100 50 510 20 20 20 180 cential C.U., Irrigated Lands
Root Zone Supply less P.C.U.
310
Soil Moisture Storage (Max Cap. 3000 A.F.)2990 10 180 120 30 360 40 40 170 120 240 300 000 Tributary Inflow below Koosharem Neservoir Consumptive Use ab. Koosharem Reservoir Precipitation on Wetlands & Water Surfaces Storage Domestic Use & Water Surface Evaporation Supply to Wetlands and Ground Water Koosharem Reservoir Precipitation ab. Koosharem Reservoir Actual Consumptive Use, Irrigated Land Outflow and Change in Ground Water Diversions to Irrigated Land 1/ Outflow from Koosharem Reservoir Inflow into Koosharem Reservoir Potential C.U., Irrigated Lands Precipitation, Irrigated Lands Direct Use from Ground Water Total Supply to Root Zone Wetlands, Consumptive Use Addition to Ground Water Consumptive Use Deficit Surface Water 25% to Root Zone Ground Water Spillway Overflow Tributary Inflow ab. Precipitation Outflow - Total Evaporation Releases Seepage ŧ TABLE Outflow

(including seepage); Balance 80% Efficiency; Koosharem Irrigation Co., Diversion

7

TABLE 70 Average annual water budget, Wa	ter b	udget,	Watershed	田	2, Gree	Greenwich-Anglo, Sevier	Anglo, S	evier	River	Basin			
	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
Otter Creek Inflow	800	1000	2000	2110	1900	970	700	300	350	400	200	550	11,580
Tributary Inflow $\frac{1}{1}$	09	09	100	290	550	430	150	70	50	09	09	09	1,940
Diversions to Irrigated Cropland	1	1	200	1500	1800	1200	550	250	310	300	200	٠	6,610
25% to Root Zone		•	120	380	450	300	140	09	80	70	90	•	1,650
Precipitation on Irrigated Lands	07	07	50	30	09	50	06	120	50	70	30	30	099
Direct Use from Ground Water	0	0	0	10	10	10	20	10	10	0	0	0	70
Total Supply to Root Zone	40	07	170	420	520	360	250	190	140	140	80	30	2,380
Potential C.U., Irrigated Lands	20	20	07 .	80	160	280	430	340	180	90	30	20	1,690
Root Zone Supply less P.C.U.	20	20	130	340	360	80	-180	-150	07-	50	50	10	069
Soil Moisture Storage (Max Cap. 370 A.F.)	130	150	280	370	370	370	190	040	0	50	100	110	
Consumptive Use Deficit													
Actual Consumptive Use, Irrigated Lands	20	20	04	80	160	280	430	340	180	06	30	20	1,690
Addition to Ground Water	1	•	ı	250	360	80	î	i	•	ı	1	1	069
Domestic Use & Water Surface Evaporation Supply to Wetlands & Ground Water	098	1060	1980	0 2260	10 2340	1160	10	10 290	300	390	510	0 610	50 12,440
Precipitation on Wetlands & Water Surfaces Wetland Consumptive Use	20	20 10	20 20	10	30	20	40	50	20	30	20	20	300
Outflow to Otter Creek Reservoir & change in Ground Water	870	1070	1980	2220	2280	1010	095	06	150	330	200	610	11,570
Total Outflow	1000	1930	2620	1900	200	100	170	009	700	740	700	910	11,570
Outflow - Surface Water Ground Water	910	1860	2560	1840	150	09	100	200	200	220 520	250	700	9,000

 $\underline{1}/$  Does not include immediate Otter Creek Reservoir Drainage.

	Jan	Feb	March	April	Мау	June	July	Aug	Sept	Oct	Nov	Dec	Annua
Inflow - East Fork Sevier River	1520	1660	2150	3820	8970	6020	2670	1870	1590	1980	1620	1590	35,46
Tributary Inflow	1010	076	1040	2180	4200	1470	1050	066	930	970	980	1020	16,780
Diversions above Otter Creek Canal	250	310	720	1410	2690	2130	1810	1210	720	089	085	260	12,67
Return Flow into Otter Creek Canal	130	120	160	240	700	800	700	450	500	300	280	220	7,90
Diversions from Otter Creek Canal	0	0	09	200	850	800	650	390	220	300	150	100	3,72
Seepage from Otter Creek Canal	70	70	70	100	250	100	70	70	80	80	80	06	1,13
Otter Creek Canal into Otter Cr. Res.	2140	2300	2500	4830	5700	2310	1800	1610	1990	2110	1950	2200	31,44
25% to Root Zone	09	80	190	007	890	730	620	007	240	240	160	06	4,10
Precipitation on Irrigated Lands	210	300	170	190	210	150	420	470	390	280	210	170	3,17
Direct Use from Ground Water	20	20	30	50	110	190	280	270	180	100	07	30	1,32
Total Supply to Root Zone	290	400	390	049	1210	1070	1320	1140	810	620	410	290	8,59
Potential Consumptive Use Irrigated Lands	70	100	180	360	069	1170	1750	1400	800	007	140	80	7,14
Root Zone Supply less P.C.II.	220	300	210	280	520	-100	-430	-260	10	220	270	210	1,450
Soil Moisture Storage (Max Cap. 1490 AF)	1490	1490	1490	1490	1490	1390	096	200	710	930	1200	1410	
6													
Consumptive use Dericit Actual Consumptive Use Irrigated Lands	70	100	180	360	069	1170	1750	1400	800	004	140	80	7,140
Addition to Ground Water	140	300	210	280	520	ı	4	1	1	1	4	ı	1,450
Domostic Ilsa & Mater Surface Evaporation	10	10	10	10	20	30	30	20	20	10	10	01	19
Supply to Wet Lands & Ground Water	077	065	029	066	0269	4230	066	260	06	067	077	280	16,640
Precipitation on Wetlands	09	06	50	09	09	07	120	140	120	80	09	50	93
Wetland Consumptive Use	07	20	100	190	360	260	760	069	470	250	06	09	3,620
Otter Creek Reservoir - Releases	0	0	0	1770	7660	6180	8950	8010	5210	610	0	0	35,39
Otter Creek Reservoir - Seepage	50	50	50	50	100	200	200	150	100	100	100	50	1,20
flow - Kings	30	30	50	150	270	210	70	30.	30	30	30	30	96
Precipitation, Kingston Canyon Area	10	10	10	10	10	0	20	20	20	10	10	10	140
Consumptive Use, Kingston Canyon Area	10	10	10	10	30	20	70	09	30	10	10	10	31
Outflow & Change in Ground Water	540	610	720	2830 1	11680	10250	9520	8160	5070	1060	240	350	51,330
Ground Water Outflow	80	80	80	80	80	80	80	80	80	80	80	80	096
Gaged Outflow	1200	930	1450	3750	8900	7000	8900	8090	5340	1800	1650	1360	50,370

Annual 35,390 0000,6 2,570 31,440 1,730 8,960 1,200 +3020 Dec +2240 Nov +1660 Oct -3520 Sept TABLE 72. -- Average annual water budget, Otter Creek Reservoir, Sevier River Basin -6760 Aug -8310 July -5180 June May Apr +4470 09 . Mar +4790 Feb +4100 Jan +3080 Inflow - Otter Creek Surface Water Ground Water Otter Creek Canal Tributary Change in Storage Precipitation Evaporation Releases Seepage

TABLE /3 Average annual water budget, watershed	cer D	uager,	warers	되	4, John	တ	valley, Se	Sevier R	Kiver b	basın			
	Jan	Feb	Mar	April	Мау	June	July	Aug	Sept	Oct	Nov	Dec	Annual
East Fork Sevier River Inflow	07	240	480	1130	3250	2220	097	110	09	360	30	30	8,410
Tributary Inflow	1480	1410	1730	2920	6180	4370	2560	2020	1700	1730	1640	1570	29,310
Less Ground Water Outflow to E-5A	10	10	10	20	30	20	20	20	10	20	20	10	200
Diversions to Irrigated Land	0	0	100	520	1720	1340	230	09	30	07	0	0	4,040
25% to Root Zone	0	0	20	130	430	330	09	20	10	10	0	0	1,010
Precipitation on Irrigated Land	120	160	100	110	120	80	230	260	220	150	120	06	1,760
Direct Use from Ground Water	0	0	0	10	20	30	50	50	30	20	10	0	220
Total Supply to Root Zone	120	160	120	250	570	077	340	330	260	180	130	06	2,990
Potential C II Trripated land	30	07	7.0	110	210	490	880	530	260	140	09	30	2,850
Root Zone Supply less Potential C.U.	06	120	50	140	360	-50	-540	-200	0	07	70	09	140
Soil Moisture Storage (Max. Cap. 1270 AF)	140	860	910	1050	1270	1220	089	780	780	520	290	650	
4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
Consumptive use Deficit Actual Consumptive Use, Irrigated Land Addition to Ground Water	30	07	70	110	210	067	880	530	260	140	09	30	2,850
Domestic Hse and Water Surface Evaporation	0	0	10	10	20	20	20	20	10	10	10	0	130
Supply to Wetlands & Ground Water	1510	1640	2170	3880	0206	0619	2870	2020	1700	2030	1630	1590	36,300
Precinitation on Wetlands & Water Surface	20	04	20	20	30	20	50	09	50	30	30	20	390
Wetlands, Consumptive Use	10	20	40	80	130	190	250	210	160	80	07	20	1,230
Outflow & Change in Ground Water	1520	1660	2150	3820	8970	6020	2670	1870	1590	1980	1620	1590	35,460

Annual 400 5,590 320 3,620 8,380 6,840 2,050 2,780 340 5,170 7,960 4,620 3,600 200 180 70 10 260 280 10 290 110 180 220 110 10 30 260 Dec 270 220 70 70 150 10 230 30 170 06 - 061 10 180 40 260 70 190 470 410 120 310 20 450 07-400 300 Oct Bryce Valley, Sevier River Basin 190 70 10 920 30 270 420 500 Sept 420 690 640 190 260 500 1400 60 40 230 80 20 20 560 890 820 250 390 60 700 700 330 Aug 660 970 290 220 70 580 July 290 80 20 1690 11110 0 70 30 390 620 110 20 840 1590 1440 430 140 50 620 1340 0901 20 860 870 140 30 830 1660 500 130 30 40 May 880 220 200 10 1160 Watershed E-5A, 120 560 470 140 170 20 330 30 Apr 90 20 480 150 420 480 300 20 100 Mar 260 210 60 60 250 10 10 90 90 570 230 20 30 091 TABLE 74. -- Average annual water budget, 60 60 10 210 10 220 220 Feb 130 90 90 480 130 10 210 20 170 60 10 240 270 100 . 00 10 30 250 (Tropic & East Fk.) Trans-watershed Inflow (Henrieville Cr.) Root Zone Supply less Potential C.U. Soil Moisture Storage (Max Cap. 2420 AF) Precipitation on Wet Lands & Water Surfaces Domestic Use & Water Surface Evaporation Supply to Wet lands and Ground Water Precipitation on Irrigated Cropland Direct Use from Ground Water Potential C.U. for Irrigated Lands Ground Water Inflow from E-5B Diversions to Irrigated lands Ground Water Inflow from E-4 Actual C.U., Irrigated lands Total Supply to Root Zone Outflow to Colorado River Addition to Ground Water Consumptive Use Deficit 30% to Root Zone Wetland Consumptive Use Total Supply Tributary Yield

1,870 550 960 3,420 1,100 Annual 620 580 7,650 3,240 11,470 8,410 980 470 80 430 1090 10 50 50 50 900 020 490 80 720 30 40 00 70 75. -- Average annual water budget, Watershed E-5B, Tropic Reservoir, Sevier Basin 1080 490 80 510 340 30 340 1190 00 70 70 90 999 ,060 480 80 500 440 40 420 420 -60 00 40 70 20 064 250 540 90 620 500 80 40 70 560 130 20 40 80 80 580 100 910 630 1110 40 40 660 300 150 50 80 560 3430 760 120 2550 930 100 50 2120 700 700 520 60 110 800 1000 1000 160 3680 3680 1350 80 600 600 80 140 740 1810 610 1100 11100 1510 40 60 60 980 1110 1080 450 70 560 1600 30 420 Mar 480 00 09 480 880 430 70 380 1550 10 60 120 250 30 920 450 70 70 1430 10 50 50 060 Ground Water Outflow - Colorado River Ground Water Outflow - F-5 Tributary Yield above Tropic Reservoir Tributary Yield Below Tropic Reservoir Trans-watershed Diversion to E-5A Ground Water Outflow E-5A Ground Water Outflow F-4 Outflow - Tropic Reservoir Inflow - Tropic Reservoir Accumulated Storage Spillway Overflow Change in Storage Evaporation Releases TABLE

2,510 1,240 80,120 10,000 28,790 10,080 4,020 12,940 13,930 2,010 2,010 88,430 88,430 ,070 13,930 Annual 8000 200 Dec 280 440 440 510 1260 440 Nov 780 750 3920 540 2930 1030 Oct Sevier River Basin 380 210 1780 3440 2900 660 300 3170 530 3400 1190 Sept 630 3810 1330 200 80 440 440 330 -390 2870 2050 780 Aug \$190 800 3730 1310 200 80 380 2180 -1130 3260 2020 820 July Watershed F-1, Circleville, -230 4390 June 2430 6120 2140 1200 4620 May April 910 2800 980 600 4620 300 120 400 1 1 March  $l = 1 \cdots 1 \cdots 1$ TABLE 76. -- Average annual water budget, 1 1 1 4 Feb 220 4620 7500 110 1 1 1 Jan Soil Moisture Storage (Max. Cap. 4620 Ac.Ft.) Potential Consumptive Use, Rotation Cropland Root Zone Supply less P.C.U. Domestic Use & Water Surface Evaporation Actual C.U. for Rotation Cropland Supply to Wetlands and Ground Water Diversions to Rotation Cropland Precipitation on Rotation Cropland Outflow and Change in Ground Water Direct Use from Ground Water Total Supply to Root Zone Precipitation on Wetlands Addition to Ground Water Wet Land Consumptive Use River Outflow - Gaged Outflow - Gaged Consumptive Use Deficit 40% to Root Zone 35% to Root Zone Ground Water Outflow Tributary Inflow River Inflow Total Outflow Canal

Annual 069,9 096,09 9,070 1,390 22,400 5,730 5,730 95,180 91,070 17,670 22,400 01,070 1040 710 07/9 120 440 4460 Dec TABLE 77. -- Average annual water budget, Watersheds F-2 & F-3, Panguitch Valley, Sevier River Basin 1070 2690 810 460 20 20 430 860 7460 Nov 1180 4800 1440 890 1150 7460 Oct Sept 2020 5570 1670 850 170 2690 180 6730 07/7 240 6550 3760 8590 2570 1460 270 4300 Aug July 4290 8960 2690 1350 300 4340 -1150 June 230 4320 6670 11990 3590 160 3690 4870 9790 2940 1350 7460 May April 2900 4590 1380 610 90 2080 730 7460 1550 1930 580 690 40 1310 20 5980 740 7460 Mar 1050 770 20 570 360 7460 Feb 980 570 450 7460 Jan Soil moisture storage Max Cap. 7460 A.F. Domestic Use & Water Surface Evaporation Supply to Wetlands & Ground Water Potential Consumptive Use Irrigated Land Root Zone supply less  $P.\,C.\,U.$ Precipitation on Irrigated lands Outflow & Change in Ground Water Diversions to Irrigated land Direct Use from Ground Water Actual C.U. Irrigated lands Precipitation on Wetlands Wetland Consumptive Use Total Supply to Root Zone Addition to Ground Water Consumptive use Deficit 30% to Root Zone Tributary Inflow Gaged Outflow River Inflow

	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
River Inflow Tributary Inflow Diversions to Irrigated Land 30% to Root Zone Precipitation on Irrigated Lands Direct Use from Ground Water Total Supply to Root Zone	3540 150 0 0 50 50	3380 140 0 0 50 50	4140 170 20 10 60 10	6940 290 170 50 50 20	18380 780 540 160 50 30 240	13030 550 550 160 40 40 240	6110 260 420 130 120 50	4830 200 350 1100 130 50 280	4070 170 320 100 80 30 210	4150 170 160 50 80 10 140	3920 160 50 20 40 0	3760 160 10 0 50 0 50	76,250 3,200 2,590 780 800 240 1,820
Potential Consumptive Use for Irrigated Land Root Zone Supply less P.C.U. Soil Moisture Storage (Max Cap. 600 A.F.)	10 40 570	20 30 600	009	110 10 600	190 50 600	290 -50 550	390 90	330 -50 410	200 10 420	100 40 460	30 30 490	10 40 530	1,720
Consumptive Use Deficit	1	1	1	•	1	1	ı	ı	1	1	1	1	
Actual C.U., irrigated land	10	20	40	110	190	290	390	330	200	100	30	10	1,720
Addition to Ground Water		ı	40	10	50	•	1	ŧ	1	1	1		100
Domestic Use & Water Surface Evaporation Supply to wet lands and ground water	10	10 3510	10	10 7160	20	20	30	20 4860	20	10	10	3910	180
Precipitation on Wet Lands Wetland Consumptive Use	20	20	30	30	30	20	60 220	210	40 140	40	20 20	20	390
Outflow and Change in Ground Water	3690	3550	4330	7130	18930	13200	0009	4710	3990	4220	4050	3910	77,710

Annual 14,620,78,650 14,020 4,210 2,310 7,420 76,250 74,750 1,500 4,140 4,140 3,280 1170 3630 110 30 140 180 150 1520 3660 100 Dec 11130 3860 440 130 120 20 270 3810 110 1130 4180 1290 390 230 50 670 420 1520 20 4140 4040 110 Oct 11130 14460 1660 500 210 1110 820 3960 110 340 1520 TABLE 79. -- Average annual water budget, Watershed F-5, Hatch, Sevier River Basin 5390 1860 560 560 170 320 520 1290 6910 2160 650 350 190 220 520 50 6240 5980 130 July 1410 13720 2480 740 130 150 12860 170 June 1300 18710 2880 860 150 100 18160 220 May 1250 7070 1050 320 150 60 530 280 520 6800 140 1220 4060 90 30 170 20 220 10 4120 4040 100 120 1520 1210 3260 0 140 150 110 1520 3520 1170 3400 140 1520 3440 100 Soil Moisture Storage (Max. Cap. 1520 A.F.) Domestic Use and Water Surface Evaporation Ground Water Outflow to Virgin River Diversions to Irrigated Cropland Precipitation on Irrigated Cropland Supply to Wetlands & Ground Water Potential C.U., Irrigated Lands Root Zone Supply less P.C.U. Direct Use from Ground Water Actual C.U., Irrigated Lands Total Supply to Root Zone Precipitation on Wetlands Addition to Ground Water Wetlands Consumptive Use Consumptive Use Deficit Outflow, Surface Water Ground Water 30% to Root Zone Tributary Inflow Tributary Yield Total Outflow

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